TITLE V OPERATING PERMIT

Issued pursuant to Title 22a of the Connecticut General Statutes (CGS) and Section 22a-174-33 of the Regulations of Connecticut State Agencies (RCSA) and pursuant to the Code of Federal Regulations (CFR), Title 40, Part 70.

Title V Permit Number	015 - 0219 - TV
Client/ Sequence /Town/Premises Numbers	2245-005-015-0765
Date Issued	December 6, 2004
Expiration Date	December 6, 2009

Corporation:

Wheelabrator Bridgeport, L.P.

Premises location:

6 Howard Avenue, Bridgeport, Connecticut 06605

Name of Responsible Official and Title:

Vincent Langone Jr., Plant Manager

All pages 1 through 71, inclusive, of this document are hereby incorporated by reference into this Title V Operating Permit.

JANE K STAHL
Jane K. Stahl
Acting Commissioner

12/6/04
Date

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LIST OF ACRONYMS

ACRONYM	DESCRIPTION
^{o}F	Degrees Fahrenheit
ACFM	Actual Cubic Feet per Minute
ASC	Actual Stack Concentration
CAAA	Clean Air Act Amendments of 1990
CEMS	Continuous Emission Monitoring System
CFR	Code of Federal Regulations
CGS	Connecticut General Statutes
CO	Carbon Monoxide
CO_2	Carbon Dioxide
DEP	Department of Environmental Protection
EMU	Emissions Unit
EPA	Environmental Protection Agency
FT^2	Square Feet
GAL	Gallon
GEMU	Grouped Emissions Units
HAP	Hazardous Air Pollutant
HLV	Hazard Limiting Value
HR	Hour
LB	Pounds
M^3	Cubic Meters
MASC	Maximum Allowable Stack Concentration
MACT	Maximum Achievable Control Technology
MIN	Minutes
MSDS	Material Safety Data Sheet
MSW	Municipal Solid Waste
MWC	Municipal Waste Combustor
NOx	Nitrogen Oxides
NSPS	New Source Performance Standard
NSR	New Source Review
O_2	Oxygen
P	Permit
PM	Particulate Matter
PM-10	Particulate Matter less than 10 microns
PSIG	Pounds per Square Inch (gage)
R	Registration
RCSA	Regulations of Connecticut State Agencies
RMP	Risk Management Plan
SCFM	Standard Cubic Feet per Minute
SO_2	Sulfur Dioxide
SNCR	Selective Non-Catalytic Reduction
TOP	Temporary Operating Permit
TPY	Tons per 12 Consecutive Months
$\mu g/m^3$	Micrograms per cubic meter
VOC	Volatile Organic Compound

Title V Operating Permit

All conditions in Sections III, IV, VI and VII of this permit are enforceable by both the Administrator and the Commissioner unless otherwise specified. Applicable requirements and compliance demonstration are set forth in Section III of this permit. The Administrator or any citizen of the United States may bring an action to enforce all permit terms or conditions or requirements contained in Sections III, IV, VI and VII of this permit in accordance with the Clean Air Act (CAA), as amended.

Section I: Premises Information/Description

A. PREMISES INFORMATION

Nature of Business: Resource Recovery Facility
Primary SIC: 4953

Facility Mailing Address: Wheelabrator Bridgeport , L.P.
6 Howard Avenue
Bridgeport, CT 06605

Telephone Number: (203) 579-1169

B. PREMISES DESCRIPTION

Wheelabrator Bridgeport, L.P. operates a resource recovery facility. Municipal Solid Waste (MSW) is combusted to produce steam, which is in turn used to produce electricity. Each municipal waste combustor (MWC) is equipped with a spray dryer absorber for acid gas control, a fabric filter for particulate matter control, selective non-catalytic reduction (SNCR) for NOx control and a powdered activated carbon system for control of mercury. Each MWC is also equipped with continuous emission monitors to monitor opacity, SO_2, NOx and CO. There are no active DEP orders.

Municipal Waste Combustors:
Three Babcock & Wilcox waterwall furnace/watertube boiler systems or MWCs (EMU-1, 2 & 3) combust MSW to produce steam which is in turn used to produce electricity. Natural gas is used for startup and flame stabilization. Each MWC is equipped with a spray dryer absorber for acid gas control, a fabric filter for particulate matter control, a powdered activated carbon injection system for control of mercury and a selective non-catalytic reduction system for control of NOx emissions. The MWCs are permitted and were issued permits to operate P 015-0097, P 015-0098 and P 015-0099 on 10/31/97.

Lime Silo:
A lime silo (EMU-4) stores lime used in the spray dryer absorbers. It is equipped with a fabric filter for particulate matter control. The lime from the silo is slaked in two lime slakers (EMU-5 & 6). Each slaker is equipped with a dust arrestor system. These are insignificant activities.

Ash Conditioner/Handling System:
The ash generated on the combustor grates and removed from the flue gas stream is introduced into the ash handling system (EMU-7) where the ash is conveyed through metals removing equipment and an ash conditioning system. The exhaust from the ash handling equipment is equipped with a wet scrubber for particulate matter control. A permit is not required.

Emergency Fire Pump:
A 267hp Caterpillar diesel engine (EMU-8) powers an emergency fire pump. A permit was not required because it was constructed 2/1/86 and the maximum heat input is less than 5 million BTU per hour.

Emergency Engine:
A 64hp Spectrum Detroit Diesel emergency diesel engine (EMU-9) supplies emergency power to the facility. A permit was not required because it was constructed 6/1/03 and potential emissions are less than 15 tons per year.

Solvent Degreaser:
As part of the maintenance operation, a small solvent degreaser (EMU-10) is used to remove oil and grease from small equipment parts. The degreaser is equipped with an idle mode cover to minimize VOC emissions. A permit is not required.

Section II: Emissions Units Information

A. EMISSIONS UNITS INFORMATION

Emission units are set forth in Table II.A.1.

TABLE II.A.1: EMISSIONS UNITS DESCRIPTION

Emissions Units	Emissions Unit Description	Control Unit Description	NSR Permit, Order, or Registration Number*
EMU-001, 2 & 3	3 Babcock & Wilcox waterwall furnace/watertube boiler systems	Spray Dryer Absorber Fabric Filter Powdered Activated Carbon Injection System Selective Non-catalytic Reduction System	P 015-0097 P 015-0098 P 015-0099
EMU-004	lime silo	Fabric Filter	None
EMU-005 & 6	2 lime slakers	None	None
EMU-007	ash conditioner/handling system	wet scrubber	None
EMU-008	Caterpillar 3306BDIT diesel engine powering an emergency fire pump	None	None
EMU-009	Spectrum Detroit Diesel 20DSEJB emergency diesel engine	None	None
EMU-010	Cold Solvent Degreaser	Idling Mode Cover	None

(*) It is not intended to incorporate by reference these NSR Permits, Orders, or Registrations into this Title V Operating Permit.

Section II: Emissions Units Information

A. EMISSIONS UNITS INFORMATION, continued

Design requirements for EMU-001, EMU-002 and EMU-003:

1. The design maximum charging rate of MSW is 750 tons/day based on a design higher heating value of 5200 BTU/pound of MSW. [P 015-0097, 98 & 99 Part I.B.1.a.]
2. The maximum heat input rate is 325 MMBTU/hour. [P 015-0097, 98 & 99 Part I.B.1.b.]
3. The design maximum steam flow rate is 196,800 lbs/hr @ 900 psig and 830 ^{o}F. [P 015-0097, 98 & 99 Part I.B.1.c.]
4. Two Natural gas burners with maximum firing rate of 70 MMBTU/hr for each burner. [P 015-0097, 98 & 99 Part I.B.2.]
5. Minimum stack height of 295 feet above grade. [P 015-0097, 98 & 99 Part I.B.3.a.]
6. Minimum exhaust gas flow rate at maximum rated capacity is 189,000 ACFM @ 250 ^{o}F. [P 015-0097, 98 & 99 Part I.B.3.b.]
7. Minimum distance from stack to nearest property line is 48 feet. [P 015-0097, 98 & 99 Part I.B.3.d.]
8. Nominal megawatt output is 69.5 megawatts for the plant. [P 015-0097, 98 & 99 Part I.B.4.]
9. The operating combustion gas temperature shall be 1800 ^{o}F with a residence time of at least one (1) second. In addition, an auxiliary burner system will be maintained to raise combustion gas temperatures to 1800 ^{o}F at a combustion gas residence time of at least one (1) second upon achieving steady state conditions. The auxiliary system will maintain a minimum combustion gas temperature of 1500 ^{o}F after secondary air injections for at least one second upon startup prior to charging MSW and during burnout. [P 015-0097, 98 & 99 Part I.B.5.]
10. Overfire and underfire air shall be maintained to obtain optimum combustion. [P 015-0097, 98 & 99 Part I.B.6.]
11. This furnace/boiler shall be equipped with automatic controls for the regulation of combustion; for example, air distribution and combustion temperature gas controls. [P 015-0097, 98 & 99 Part I.B.7.]
12. Baghouse: 10 compartments @ 82,800 ft^2 total– minimum of 8 in service at all times (i.e., two compartments may be taken off-line due to malfunctions or maintenance purposes only) [P 015-0097, 98 & 99 Part E]
    Fabric Material: Fiberglass with acid resistant finish
    Air to Cloth Ratio (8 Compartments): 2.28:1
    Pressure Drop Across Baghouse: 3.5-15 inches H_2O
    Inlet Temperature: Not to exceed 30 ^{o}F above the maximum demonstrated particulate matter control device temperature
13. Dry Gas Scrubber[P 015-0097, 98 & 99 Part E]
    Lime Usage: 400-600 lbs/hr
    Water Usage: 35-45 gal/min
    Inlet Gas Temperature: 400-550 ^{o}F
14. Selective Non-catalytic Reduction (SNCR) [P 015-0097, 98 & 99 Part E]
    Control Reagent: Urea
    Reagent Injection Rate: 5-35 gal/hr
15. Powdered Activated Carbon Injection System: [P 015-0097, 98 & 99 Part E]
    Control Reagent: Activated Carbon
    Activated Carbon Injection Rate: 0-50 lbs/hr

Design requirements for EMU-010:

1. Equip the cleaning device with a cover designed so that it can be easily operated with one hand. [RCSA §22a-174-20(l)(3)(A)]
2. Equip the cleaning device with a facility for draining cleaned parts constructed internally so that parts are enclosed under the cover while draining. The drainage facility may be external for applications where an internal type cannot fit into the cleaning system. [RCSA §22a-174-20(l)(3)(B)]
3. Provide a permanent, conspicuous label on or posted near each unit summarizing the applicable operating requirements. [RCSA §22a-174-20(l)(3)(J)]

Section II: Emissions Units Information

A. EMISSIONS UNITS INFORMATION, continued

The Permittee shall be allowed to operate under the following Standard Operating Scenario without notifying the Commissioner, provided that such operations are explicitly provided for and described in the table below. There are no Alternate Operating Scenarios for the premises.

TABLE II.A.2: OPERATING SCENARIO IDENTIFICATION

Emissions Units Associated with the Scenarios	Description of Scenarios
EMU-001, 2 & 3	The standard operation of the MWCs is the combustion of MSW to produce steam, which in turn is used to generate electricity.
EMU-004, 5 & 6	The standard operation of the lime silo is to store lime used in the spray dryer absorbers. The standard operation of the two lime slakers is to prepare the lime for use in the spray dryer absorbers.
EMU-007	The standard operation of the ash handling system is to remove the ash from both the combustor grates and the flue gas stream, convey the ash through metals removing equipment and an ash conditioning system, and load the ash onto trucks for removal from the facility.
EMU-008	The standard operation of the emergency fire pump is to supply water in emergency situations when normal fire fighting procedures can not be followed.
EMU-009	The standard operation of the emergency diesel engine is to supply power to the facility in emergency situations.
EMU-010	The standard operation of the cold solvent degreaser is to remove oil and grease from small equipment parts.

Section III: Applicable Requirements and Compliance Demonstration

The following tables contain summaries of applicable regulations and compliance demonstration for each identified Emissions Unit and Operating Scenario regulated by this permit.

A. EMISSIONS UNITS EMU-001, EMU-002 and EMU-003

Table III.A: EMISSIONS UNITS EMU-001, EMU-002 and EMU-003

Pollutants or Process Parameters	Compliance Demonstration Requirements
1. MSW combusted	Limitations or Restrictions The maximum allowable daily charging rate of MSW is based upon the maximum allowable heat input rate to the furnace/boiler of 325 MM BTU/hr in accordance with the chart in Appendix A setting forth the maximum allowable daily MSW charging rate (tons/day) as a function of the MSW higher heating value (BTU/lb). [P 015-0097, 98 & 99 Part I.A.1.b.] i. Monitoring and Testing Requirements The Permittee shall monitor the quantity of MSW combusted by the three furnace/boilers, using truck scale house weight data and the refuse pit inventory. [P 015-0097, 98 & 99 Part IV.A.1.a] ii. Record Keeping Requirements The Permittee shall make and keep records of the monthly and consecutive twelve month quantity of MSW combusted for the facility, in tons, the daily and monthly hours of operation for each furnace/boiler, and the number of days of operation per month for each furnace/boiler. The monthly quantity of MSW for the facility shall be determined by summing the truck scale house weight data for the month minus the refuse pit inventory. The pit inventory will be measured on the Sunday nearest to the end of the month and pro-rated for the full month. The daily amount of MSW for each furnace/boiler shall be calculated by multiplying the monthly quantity of MSW for the facility by the monthly hours of operation of that furnace/boiler, dividing by the sum of the monthly hours of operation of both furnace/boilers and dividing by the number of days of operation of that furnace/boiler during that month. The quantity of MSW combusted for the facility for the previous twelve consecutive months shall be determined by adding the current month's MSW combusted for the facility to the previous eleven (11) months' MSW combusted for the facility. The Permittee shall make these calculations within 30 days of the end of the previous month. [P 015-0097, 98 & 99 Part IV.A.1.a & 2] The owner or operator of an affected facility shall record and maintain records of the amounts of each fuel combusted during each day. [40 CFR §60.49b(d)] The owner or operator of any incinerator subject to the provisions of this part shall record the daily charging rates and hours of operation. [40 CFR §60.53(a)]

Section III: Applicable Requirements and Compliance Demonstration

Table III.A: EMISSIONS UNITS EMU-001, EMU-002 and EMU-003, continued	
Pollutants or Process Parameters	**Compliance Demonstration Requirements**
2. Natural gas Usage	Limitations or Restrictions The auxiliary burner system is limited to burning natural gas. [P 015-0097, 98 & 99 Part I.A.2.a] i. Monitoring and Testing Requirements The Permittee shall monitor the quantity of natural gas used by the three furnace/boilers, using either fuel purchase receipts or a non-resettable totalizing fuel meter. [P 015-0097, 98 & 99 Part IV.A.1.b.] ii. Record Keeping Requirements The Permittee shall make and keep records of the monthly and consecutive twelve month natural gas usage, in million cubic feet (MMCF), for the three furnace/boilers. Within 30 days of the previous month, the Permittee shall calculate and record the natural gas usage for the previous month and the previous twelve consecutive months. Total natural gas usage for the previous twelve consecutive months shall be determined by adding the current month's natural gas usage to the previous eleven (11) months' natural gas usage. [P 015-0097, 98 & 99 Part IV.A.1.b. & 2] The owner or operator of an affected facility shall record and maintain records of the amounts of each fuel combusted during each day. [40 CFR §60.49b(d)]

Table III.A: EMISSIONS UNITS EMU-001, EMU-002 and EMU-003, continued	
Pollutants or Process Parameters	**Compliance Demonstration Requirements**
3. Annual Capacity Factor	Limitations or Restrictions The annual capacity factor for natural gas shall not exceed 10%. [40 CFR 60.41b, 60.44b(d), P 015-0097, 98 & 99 Part I.A.2.b] i. Monitoring and Testing Requirements The owner or operator of an affected facility shall determine the annual capacity factor for each furnace/boiler by dividing the actual heat input to the steam generating unit during the calendar year from the combustion of coal, wood, or municipal-type solid waste, and other fuels, as applicable, by the potential heat input to the steam generating unit if the steam generating unit had been operated for 8,760 hours at the maximum design heat input capacity. [40 CFR §60.43b(e)] ii. Record Keeping Requirements The Permittee shall make and keep records of the annual capacity factor for each furnace/boiler. [P 015-0097, 98 & 99 Part IV.A.3.] The owner or operator of an affected facility shall record and maintain records of the amounts of each fuel combusted during each day and calculate the annual capacity factor individually for coal, distillate oil, residual oil, natural gas, wood, and municipal-type solid waste for each calendar quarter. The annual capacity factor is determined on a 12-month rolling average basis with a new annual capacity factor calculated at the end of each calendar month. [40 CFR §60.49b(d)]

Table III.A: EMISSIONS UNITS EMU-001, EMU-002 and EMU-003, continued	
Pollutants or Process Parameters	**Compliance Demonstration Requirements**
4. Unit Load	Limitations or Restrictions The maximum allowable steam flow rate is 216,480 lbs/hr. [P 015-0097, 98 & 99 Part I.A.1.c] No owner or operator of a municipal waste combustor unit shall cause or allow such unit to operate at a municipal waste combustor unit load greater than one hundred ten percent (110%) of the maximum demonstrated 4-hour average municipal waste combustor unit load, based on a 4-hour arithmetic average, measured during the most recent performance test for dioxin/furan emissions for which compliance with the dioxin/furan emissions limit was achieved. Municipal waste combustor unit load shall be measured by a steam flow meter. [RCSA §22a-174-38(g)(2) and P 015-0097, 98 & 99 Part I.A.4] No owner or operator may, notwithstanding subdivisions (1) and (2) of this subsection, during the annual dioxin/furan emissions performance test and for two (2) weeks prior to such test, allow temperatures in excess of that specified in subdivision (1) of this subsection and municipal waste combustor unit load limits in excess of that specified in subdivision (2) of this subsection. However, should the owner or operator operate the unit at such excess temperatures and load, the owner or operator shall not again be allowed to operate at such excess temperatures and load during that test period without the approval of the Commissioner should the annual dioxin/furan emission performance test be postponed. [RCSA §22a-174-38(g)(3)] The emission limits and operating requirements of this section shall apply at all times except during periods of startup, shutdown, or malfunction as provided in this subdivision: (A) The duration of each startup, shutdown or malfunction period shall be limited to three hours per occurrence. [RCSA §22a-174-38(c)(11)(A)] i. Monitoring and Testing Requirements The Permittee shall install and use equipment to monitor and record unit load (i.e., steam flow meter) for each furnace/boiler. [P 015-0097, 98 & 99 Part III.A.] The owner or operator of a municipal waste combustor shall also install, operate, calibrate and maintain continuous monitoring systems for measuring the final particulate control device inlet temperature, municipal waste combustor unit load, and the oxygen or carbon dioxide content of the flue gas at each location where carbon dioxide, sulfur dioxide or nitrogen oxide emissions are monitored. [RCSA §22a-174-38(j)] Continuous monitoring systems for MWC unit load shall meet the requirements of 40 CFR 60.1810(a). [RCSA §22a-174-38(j)(1)(F)]

Table III.A: EMISSIONS UNITS EMU-001, EMU-002 and EMU-003, continued	
Pollutants or Process Parameters	**Compliance Demonstration Requirements**
4. Unit Load	ii. Record Keeping Requirements The Permittee shall record all 1-hour average municipal waste combustor unit load measurements for each furnace/boiler. [P 015-0097, 98 & 99 Part III.A. and RCSA §22a-174-38(k)(3)(E)] The Permittee shall compute and record all 4-hour block arithmetic average municipal waste combustor unit loads for each furnace/boiler. [P 015-0097, 98 & 99 Part III.A. and RCSA §22a-174-38(k)(4)(D)] The owner or operator of a municipal waste combustor unit shall maintain records of the calendar dates when any of the average emission rates, percent reductions, operating parameters or opacity levels are above the applicable limits, with reasons for such exceedances, a description of the corrective actions taken and a description of the measures taken to prevent future exceedances. [RCSA §22a-174-38(k)(5)] The owner or operator of a municipal waste combustor unit shall maintain records of the calendar dates for which the minimum number of hours of sulfur dioxide or nitrogen oxide emissions or operational data (carbon monoxide emissions, unit load, & particulate matter control device temperature) have not been obtained, including reasons for not obtaining sufficient data, a description of corrective actions taken and a description of the measures taken to prevent future losses of data. [RCSA §22a-174-38(k)(6)] The owner or operator of a municipal waste combustor unit shall maintain records of the times when sulfur dioxide or nitrogen oxide emissions or operational data (carbon monoxide emissions, unit load, & particulate matter control device temperature) have been excluded from the calculation of average emission concentrations or parameters and the reasons for excluding the data. [RCSA §22a-174-38(k)(7)]

Table III.A: EMISSIONS UNITS EMU-001, EMU-002 and EMU-003, continued	
Pollutants or Process Parameters	**Compliance Demonstration Requirements**
4. Unit Load, continued	iii. Reporting Requirements The Permittee shall review all recorded CEM data daily and notify the Commissioner in writing, on forms prescribed by the Commissioner, of any deviation from an emissions or parametric limitation, and shall identify the cause or likely cause of such deviation, all corrective actions and preventive measures taken with respect thereto, and the dates of such actions and measures as follows: (1) For any hazardous air pollutant, no later than twenty-four (24) hours after such deviation commenced; and (2) For any other regulated air pollutant or parameter, no later than ten (10) days after such deviation commenced. [P 015-0097, 98 & 99 Part III.A.] The Permittee shall report all CEM data to the Commissioner on a quarterly basis using a one (1) hour block average. [P 015-0097, 98 & 99 Part III.C.] The Permittee shall submit a quarterly report to the Commissioner within thirty (30) days following the end of each calendar quarter. [P 015-0097, 98 & 99 Part IV.B.3.] Each quarterly report shall include the following: a. All emissions data recorded pursuant to RCSA §22a-174-38 during the calendar quarter [RCSA §22a-174-38(l)(2)(A)]; b. Each calendar date during the calendar quarter reported when any of the average emission concentrations, percent reductions, operating parameters or opacity levels recorded exceeded the applicable limit; the reasons the limit was exceeded and a description of the corrective action. [RCSA §22a-174-38(l)(2)(B)] The Permittee shall submit an annual report to the Commissioner no later than January 30 of each year following the calendar year in which the data were collected. [P 015-0097, 98 & 99 Part IV.B.4.] Each annual report shall include the following: a. A list of the highest emission level recorded of sulfur dioxide, nitrogen oxides, carbon monoxide, municipal waste combustor unit load, and particulate matter control device inlet temperature based on data recorded for 24-hour daily geometric averages, 24-hour daily arithmetic averages, 4-hour block averages or 4-hour block arithmetic averages, as applicable, for the aforementioned pollutants; [RCSA §22a-174-38(l)(3)(A)(ii)] b. The total number of days that the minimum number of hours of data for sulfur dioxide, nitrogen oxides, carbon monoxide, municipal combustor unit load and particulate matter control device temperature data were not obtained; and [RCSA §22a-174-38(l)(3)(A)(v)] c. The total number of hours that data for sulfur dioxide, nitrogen oxides, carbon monoxide, municipal combustor unit load and particulate matter control device temperature data were excluded from the calculation of average emission concentrations or parameters. [RCSA §22a-174-38(l)(3)(A)(vi)]

Table III.A: EMISSIONS UNITS EMU-001, EMU-002 and EMU-003, continued	
Pollutants or Process Parameters	**Compliance Demonstration Requirements**
5. Pressure Drop	i. Monitoring and Testing Requirements The Permittee shall install and use equipment to monitor and record pressure drop across the baghouses. [P 015-0097, 98 & 99 Part III.A.] ii. Record Keeping Requirements The Permittee shall make and keep records of the pressure drop across each baghouse. [P 015-0097, 98 & 99 Part III.A.] The averaging time for pressure drops is a one (1) hour block average. [P 015-0097, 98 & 99 Part III.A.]

Table III.A: EMISSIONS UNITS EMU-001, EMU-002 and EMU-003, continued	
Pollutants or Process Parameters	**Compliance Demonstration Requirements**
6. Inlet Gas Temperature of Baghouse	Limitations or Restrictions Baghouse Inlet Temperature: Not to exceed 30 ^{o}F above the maximum demonstrated particulate matter control device temperature. [P 015-0097, 98 & 99 Appendix E] No owner or operator of a municipal waste combustor unit shall cause or allow such unit to operate at a temperature, measured at each particulate control device inlet more than seventeen (17) degrees centigrade, based on a 4-hour arithmetic average, above the maximum demonstrated particulate matter control device temperature measured during the most recent performance test for dioxin/furan emissions for which compliance with the dioxin/furan emissions limit was achieved. [RCSA §22a-174-38(g)(1) and P 015-0097, 98 & 99 Part I.A.3] No owner or operator may, notwithstanding subdivisions (1) and (2) of this subsection, during the annual dioxin/furan emissions performance test and for two (2) weeks prior to such test, allow temperatures in excess of that specified in subdivision (1) of this subsection and municipal waste combustor unit load limits in excess of that specified in subdivision (2) of this subsection. However, should the owner or operator operate the unit at such excess temperatures and load, the owner or operator shall not again be allowed to operate at such excess temperatures and load during that test period without the approval of the Commissioner should the annual dioxin/furan emission performance test be postponed. [RCSA §22a-174-38(g)(3)] The emission limits and operating requirements of this section shall apply at all times except during periods of startup, shutdown, or malfunction as provided in this subdivision: (A) The duration of each startup, shutdown or malfunction period shall be limited to three hours per occurrence. [RCSA §22a-174-38(c)(11)(A)] i. Monitoring and Testing Requirements The Permittee shall install and use a device for measuring temperature of the flue gas stream at the inlet to the final particulate matter control device on a continuous basis and record the output of the device. Temperature shall be calculated in 4-hour block arithmetic averages. [P 015-0097, 98 & 99 Part III.A] The owner or operator of a municipal waste combustor shall also install, operate, calibrate and maintain continuous monitoring systems for measuring the final particulate control device inlet temperature, municipal waste combustor unit load, and the oxygen or carbon dioxide content of the flue gas at each location where carbon dioxide, sulfur dioxide or nitrogen oxide emissions are monitored. [RCSA §22a-174-38(j)]

Table III.A: EMISSIONS UNITS EMU-001, EMU-002 and EMU-003, continued	
Pollutants or Process Parameters	**Compliance Demonstration Requirements**
6. Inlet Gas Temperature of Baghouse, continued	ii. Record Keeping Requirements The Permittee shall record all 1-hour average particulate matter control device temperature for each baghouse. [P 015-0097, 98 & 99 Part III.A. and RCSA §22a-174-38(k)(3)(E)] The Permittee shall compute and record all 4-hour block arithmetic average particulate matter control device temperature for each baghouse. [P 015-0097, 98 & 99 Part III.A. RCSA §22a-174-38(k)(4)(D)] The owner or operator of a municipal waste combustor shall maintain records of the calendar dates when any of the average emission rates, percent reductions, operating parameters or opacity levels are above the applicable limits, with reasons for such exceedances, a description of the corrective actions taken and a description of the measures taken to prevent future exceedances. [RCSA §22a-174-38(k)(5)] The owner or operator of a municipal waste combustor shall maintain records of the calendar dates for which the minimum number of hours of sulfur dioxide or nitrogen oxide emissions or operational data (carbon monoxide emissions, unit load, & particulate matter control device temperature) have not been obtained, including reasons for not obtaining sufficient data, a description of corrective actions taken and a description of the measures taken to prevent future losses of data. [RCSA §22a-174-38(k)(6)] The owner or operator of a municipal waste combustor shall maintain records of the times when sulfur dioxide or nitrogen oxide emissions or operational data (carbon monoxide emissions, unit load, & particulate matter control device temperature) have been excluded from the calculation of average emission concentrations or parameters and the reasons for excluding the data. [RCSA §22a-174-38(k)(7)]

Table III.A: EMISSIONS UNITS EMU-001, EMU-002 and EMU-003, continued	
Pollutants or Process Parameters	**Compliance Demonstration Requirements**
6. Inlet Gas Temperature of Baghouse, continued	iii. Reporting Requirements The Permittee shall review all recorded CEM data daily and notify the Commissioner in writing, on forms prescribed by the Commissioner, of any deviation from an emissions or parametric limitation, and shall identify the cause or likely cause of such deviation, all corrective actions and preventive measures taken with respect thereto, and the dates of such actions and measures as follows: (1) For any hazardous air pollutant, no later than twenty-four (24) hours after such deviation commenced; and (2) For any other regulated air pollutant or parameter, no later than ten (10) days after such deviation commenced. [P 015-0097, 98 & 99 Part III.A.] The Permittee shall report all CEM data to the Commissioner on a quarterly basis using a one (1) hour block average. [P 015-0097, 98 & 99 Part III.C.] The Permittee shall submit a quarterly report to the Commissioner within thirty (30) days following the end of each calendar quarter. [P 015-0097, 98 & 99 Part IV.B.3.] Each quarterly report shall include the following: a. All emissions data recorded pursuant to RCSA §22a-174-38 during the calendar quarter [RCSA §22a-174-38(l)(2)(A)]; b. Each calendar date during the calendar quarter reported when any of the average emission concentrations, percent reductions, operating parameters or opacity levels recorded exceeded the applicable limit; the reasons the limit was exceeded and a description of the corrective action. [RCSA §22a-174-38(l)(2)(B)] The Permittee shall submit an annual report to the Commissioner no later than January 30 of each year following the calendar year in which the data were collected. [P 015-0097, 98 & 99 Part IV.B.4.] Each annual report shall include the following: a. A list of the highest emission level recorded of sulfur dioxide, nitrogen oxides, carbon monoxide, municipal waste combustor unit load, and particulate matter control device inlet temperature based on data recorded for 24-hour daily geometric averages, 24-hour daily arithmetic averages, 4-hour block averages or 4-hour block arithmetic averages, as applicable, for the aforementioned pollutants; [RCSA §22a-174-38(l)(3)(A)(ii)] b. The total number of days that the minimum number of hours of data for sulfur dioxide, nitrogen oxides, carbon monoxide, municipal combustor unit load and particulate matter control device temperature data were not obtained; and [RCSA §22a-174-38(l)(3)(A)(v)] c. The total number of hours that data for sulfur dioxide, nitrogen oxides, carbon monoxide, municipal combustor unit load and particulate matter control device temperature data were excluded from the calculation of average emission concentrations or parameters. [RCSA §22a-174-38(l)(3)(A)(vi)]

Table III.A: EMISSIONS UNITS EMU-001, EMU-002 and EMU-003, continued	
Pollutants or Process Parameters	**Compliance Demonstration Requirements**
7. Particulate Matter	Limitations or Restrictions PM is limited to 7.9 lb/hr, 0.0243 lb/MMBTU and 34.6 TPY for each furnace/boiler. [P 015-0097, 98 & 99 Part VI. Table 1] The Permittee shall not emit Particulate matter (PM) from each furnace/boiler in excess of 27 mg/dscm corrected to 7% O_2 (dry basis). Compliance shall be determined annually based on an arithmetic average determined using all data generated in three (3) test runs, in accordance with RCSA §22a-174-38(i)(4)(A). [P 015-0097, 98 & 99 Part VI. Table 2 & Part VI.A.1. and RCSA §22a-174-38(c)(1) Table 38-1 & (c)(3), (c)(12)] In the event that the PM emission rate exceeds 0.020 gr/dscf corrected to 12% CO_2 (dry basis), as determined through stack testing compliance data, the Permittee shall cease feeding MSW into the hopper and shall not resume operation until compliance measures have been completed. [P 015-0097, 98 & 99 Part VI. Table 2 & Part VI.A.1.] The emission limits specified in RCSA §22a-174-38(c) shall apply at all times except during periods of startup (including any warmup period when firing natural gas only), shutdown, or malfunction as specified in RCSA §22a-174-38(c)(11): (A) The duration of each startup, shutdown or malfunction period shall be limited to three hours per occurrence. [P 015-0097, 98 & 99 Part VI. and RCSA §22a-174-38(c)(11)(A)] In the event that particulate matter, cadmium, lead, mercury, dioxin/furan, hydrogen chloride or ammonia emissions from this furnace/boiler exceed the respective emission limits, as determined through stack testing compliance data, the Permittee shall immediately initiate corrective action to re-attain compliance with this limit and shall report to the Commissioner as required under Part IV.B.1 of this permit. [P 015-0097, 98 & 99 Part VI.] On or after the date on which the initial performance test is completed or required to be completed under 40 CFR §60.8, whichever date comes first, no owner or operator of an affected facility that combusts municipal waste or mixtures of municipal waste with other fuels, shall cause to be discharged into the atmosphere from that affected facility any gases that contain particulate matter in excess of 43 ng/J (0.10 lb/million Btu) heat input if the affected facility combusts municipal-type solid waste and other fuels and has an annual capacity factor for the other fuels of 10 percent (0.10) or less. [40 CFR §60.43b(d)] The particulate matter standard applies at all times, except during periods of startup, shutdown or malfunction. [40 CFR §60.43b(g) & ɔ60.46b(a)]

Table III.A: EMISSIONS UNITS EMU-001, EMU-002 and EMU-003, continued	
Pollutants or Process Parameters	**Compliance Demonstration Requirements**
7. Particulate Matter, continued	Limitations or Restrictions, continued On or after the date on which the performance test required to be conducted by §60.8 is completed, no owner or operator subject to the provisions of this part of shall cause to be discharged into the atmosphere from any affected facility any gases which contain particulate matter in excess of 0.18 g/dscm (0.08 gr/dscf) corrected to 12 percent CO_2. [40 CFR §60.52(a)] i. Monitoring and Testing Requirements The Permittee shall conduct an annual performance test for particulate matter for each furnace/boiler in accordance with RCSA §22a-174-38(i). [P 015-0097, 98 & 99 Part VII.D. and RCSA §22a-174-38(i)(2) & (4)] ii. Record Keeping Requirements The Permittee shall make and keep records of all annual performance tests conducted to determine compliance with the particulate matter emission limits for each furnace/boiler. [P 015-0097, 98 & 99 Part IV.A.4. and RCSA §22a-174-38(k)(10)] iii. Reporting Requirements The Permittee shall provide written notification to the Commissioner within seventy-two (72) hours of the time at which the Permittee receives information regarding performance test results indicating that any particulate matter, opacity, cadmium, lead, mercury, dioxin/furan, hydrogen chloride or fugitive ash emission levels exceed the applicable pollutant emission limits or standards defined in RCSA §22a-174-38. [P 015-0097, 98 & 99 Part IV.B.1.] The Permittee shall submit an annual report to the Commissioner no later than January 30 of each year following the calendar year in which the data were collected. Each annual report shall include a list of the particulate matter, opacity, cadmium, lead, mercury, dioxin/furan, hydrogen chloride, and fugitive ash emission levels achieved during all initial and annual performance tests. [P 015-0097, 98 & 99 Part IV.B.4. and RCSA §22a-174-38(l)(3)(A)(i)]

Table III.A: EMISSIONS UNITS EMU-001, EMU-002 and EMU-003, continued	
Pollutants or Process Parameters	**Compliance Demonstration Requirements**
8. Opacity	Limitations or Restrictions Maximum Opacity: 10% based on a 6 minute block average [P 015-0097, 98 & 99 Part VI.1.b. and RCSA §22a-174-38(c)(1) Table 38-1 & (c)(5)] The emission limits specified in RCSA §22a-174-38(c) shall apply at all times except during periods of startup (including any warmup period when firing natural gas only), shutdown, or malfunction as specified in RCSA §22a-174-38(c)(11): (A) The duration of each startup, shutdown or malfunction period shall be limited to three hours per occurrence; and (B) The provisions of subparagraph (A) of RCSA §22a-174-38(c)(11) shall not apply to opacity limits. However, during each period of startup, shutdown, or malfunction, the opacity limits shall not be exceeded during more than five (5) 6-minute arithmetic average measurements. [P 015-0097, 98 & 99 Part VI. and RCSA §22a-174-38(c)(11)(B)] i. Monitoring and Testing Requirements The Permittee shall install and use CEM for measuring opacity of emissions discharged into the atmosphere from each furnace/boiler. [P 015-0097, 98 & 99 Part III.A. and RCSA §22a-174-38(j)] ii. Record Keeping Requirements The Permittee shall record all 6-minute arithmetic average opacity levels for each furnace/boiler. [P 015-0097, 98 & 99 Part III.A. and RCSA §22a-174-38(k)(3)(A)] The owner or operator of a municipal waste combustor shall maintain records of the calendar dates when any of the average emission rates, percent reductions, operating parameters or opacity levels are above the applicable limits, with reasons for such exceedances, a description of the corrective actions taken and a description of the measures taken to prevent future exceedances. [RCSA §22a-174-38(k)(5)] The owner or operator of a municipal waste combustor shall maintain records of the calendar dates for which the minimum number of hours of sulfur dioxide or nitrogen oxide emissions or operational data (carbon monoxide emissions, unit load, & particulate matter control device temperature) have not been obtained, including reasons for not obtaining sufficient data, a description of corrective actions taken and a description of the measures taken to prevent future losses of data. [RCSA §22a-174-38(k)(6)] The owner or operator of a municipal waste combustor shall maintain records of the times when sulfur dioxide or nitrogen oxide emissions or operational data (carbon monoxide emissions, unit load, & particulate matter control device temperature) have been excluded from the calculation of average emission concentrations or parameters and the reasons for excluding the data. [RCSA §22a-174-38(k)(7)]

Table III.A: EMISSIONS UNITS EMU-001, EMU-002 and EMU-003, continued	
Pollutants or Process Parameters	**Compliance Demonstration Requirements**
8. Opacity, continued	ii. Record Keeping Requirements, continued The owner or operator of a municipal waste combustor shall maintain records of daily calibrations and quarterly accuracy determinations for opacity, sulfur dioxide, nitrogen oxides, carbon monoxide and oxygen or carbon dioxide continuous emission monitoring systems. [RCSA §22a-174-38(k)(8)] iii. Reporting Requirements The Permittee shall review all recorded CEM data daily and notify the Commissioner in writing, on forms prescribed by the Commissioner, of any deviation from an emissions or parametric limitation, and shall identify the cause or likely cause of such deviation, all corrective actions and preventive measures taken with respect thereto, and the dates of such actions and measures as follows: (1) For any hazardous air pollutant, no later than twenty-four (24) hours after such deviation commenced; and (2) For any other regulated air pollutant or parameter, no later than ten (10) days after such deviation commenced. [P 015-0097, 98 & 99 Part III.A.] The Permittee shall report all opacity data to the Commissioner on a quarterly basis using a 6-minute block average. [P 015-0097, 98 & 99 Part III.C.] The Permittee shall provide written notification to the Commissioner within seventy-two (72) hours of the time at which the Permittee receives information regarding performance test results indicating that any particulate matter, opacity, cadmium, lead, mercury, dioxin/furan, hydrogen chloride or fugitive ash emission levels exceed the applicable pollutant emission limits or standards defined in RCSA §22a-174-38. [P 015-0097, 98 & 99 Part IV.B.1.] The Permittee shall submit a quarterly report to the Commissioner within thirty (30) days following the end of each calendar quarter. [P 015-0097, 98 & 99 Part IV.B.3.] Each quarterly report shall include the following a. All emissions data recorded pursuant to RCSA §22a-174-38 during the calendar quarter [RCSA §22a-174-38(l)(2)(A)]; b. Each calendar date during the calendar quarter reported when any of the average emission concentrations, percent reductions, operating parameters or opacity levels recorded exceeded the applicable limit; the reasons the limit was exceeded and a description of the corrective action. [RCSA §22a-174-38(l)(2)(B)] The Permittee shall submit an annual report to the Commissioner no later than January 30 of each year following the calendar year in which the data were collected. Each annual report shall include a list of the particulate matter, opacity, cadmium, lead, mercury, dioxin/furan, hydrogen chloride, and fugitive ash emission levels achieved during all initial and annual performance tests. [RCSA §22a-174-38(l)(3)(A)(i) and P 015-0097, 98 & 99 Part IV.B.4] Each annual report shall include the highest six-minute average opacity level measured. [RCSA §22a-174-38(l)(3)(A)(iii)]

Table III.A: EMISSIONS UNITS EMU-001, EMU-002 and EMU-003, continued	
Pollutants or Process Parameters	**Compliance Demonstration Requirements**
9. SO_2	Limitations or Restrictions SO_2 is limited to 104.0 lb/hr, 0.32 lb/MMBTU based on a 24 hour daily geometric mean and 455.6 TPY for each furnace/boiler. [P 015-0097, 98 & 99 Part VI Table 1 and RCSA §22a-174-33(j)(1)(K)(ii)] Demonstration of compliance with the above emission limits shall be determined by calculating the emission rates from Continuous Emission Monitoring. [P 015-0097, 98 & 99 Part VI] The Permittee shall not emit Sulfur Dioxide (SO_2) from each furnace/boiler in excess of 29 ppmvd corrected to 7% O_2 (dry basis) based on a 24 hour daily geometric mean or a 75% reduction by weight or volume, whichever is less stringent. [P 015-0097, 98 & 99 Part VI Table 2 & Part VI.B. and RCSA §22a-174-38(c)(1) Table 38-1 & (c)(4), (c)(6), (c)(7), (c)(12)] The emission limits specified in RCSA §22a-174-38(c) shall apply at all times except during periods of startup (including any warmup period when firing natural gas only), shutdown, or malfunction as specified in RCSA §22a-174-38(c)(11): (A) The duration of each startup, shutdown or malfunction period shall be limited to three hours per occurrence. [P 015-0097, 98 & 99 Part VI. and RCSA §22a-174-38(c)(11)(A)] In the event that SO_2, NOx or CO emissions from this furnace/boiler exceed the respective emission limits, as determined through CEM compliance data, the Permittee shall immediately initiate corrective action to re-attain compliance with this limit and shall report to the Commissioner as required under Part III.A of this permit. [P 015-0097, 98 & 99 Part VI.]

Table III.A: EMISSIONS UNITS EMU-001, EMU-002 and EMU-003, continued	
Pollutants or Process Parameters	**Compliance Demonstration Requirements**
9. SO_2, continued	i. Monitoring and Testing Requirements The Permittee shall install and use CEM equipment to monitor and record sulfur dioxide (SO_2) for each furnace/boiler. [P 015-0097, 98 & 99 Part III.A. and RCSA §22a-174-38(j)] ii. Record Keeping Requirements The Permittee shall record all 1-hour average sulfur dioxide emission concentrations or all 1-hour average sulfur dioxide reduction efficiency levels for each furnace/boiler. [P 015-0097, 98 & 99 Part III.A. and RCSA §22a-174-38(k)(3)(B) & (C)] The Permittee shall compute and record all 24-hour daily geometric average sulfur dioxide emission concentrations and all 24-hour daily geometric average percent reductions in sulfur dioxide emissions for each furnace/boiler. [P 015-0097, 98 & 99 Part III.A. and RCSA §22a-174-38(k)(4)(A)] The owner or operator of a municipal waste combustor shall maintain records of the calendar dates when any of the average emission rates, percent reductions, operating parameters or opacity levels are above the applicable limits, with reasons for such exceedances, a description of the corrective actions taken and a description of the measures taken to prevent future exceedances. [RCSA §22a-174-38(k)(5)] The owner or operator of a municipal waste combustor shall maintain records of the calendar dates for which the minimum number of hours of sulfur dioxide or nitrogen oxide emissions or operational data (carbon monoxide emissions, unit load, & particulate matter control device temperature) have not been obtained, including reasons for not obtaining sufficient data, a description of corrective actions taken and a description of the measures taken to prevent future losses of data. [RCSA §22a-174-38(k)(6)] The owner or operator of a municipal waste combustor shall maintain records of the times when sulfur dioxide or nitrogen oxide emissions or operational data (carbon monoxide emissions, unit load, & particulate matter control device temperature) have been excluded from the calculation of average emission concentrations or parameters and the reasons for excluding the data. [RCSA §22a-174-38(k)(7)] The owner or operator of a municipal waste combustor shall maintain records of daily calibrations and quarterly accuracy determinations for opacity, sulfur dioxide, nitrogen oxides, carbon monoxide and oxygen or carbon dioxide continuous emission monitoring systems. [RCSA §22a-174-38(k)(8)]

Table III.A: EMISSIONS UNITS EMU-001, EMU-002 and EMU-003, continued	
Pollutants or Process Parameters	**Compliance Demonstration Requirements**
9. SO_2, continued	iii. Reporting Requirements The Permittee shall review all recorded CEM data daily and notify the Commissioner in writing, on forms prescribed by the Commissioner, of any deviation from an emissions or parametric limitation, and shall identify the cause or likely cause of such deviation, all corrective actions and preventive measures taken with respect thereto, and the dates of such actions and measures as follows: (1) For any hazardous air pollutant, no later than twenty-four (24) hours after such deviation commenced; and (2) For any other regulated air pollutant or parameter, no later than ten (10) days after such deviation commenced. [P 015-0097, 98 & 99 Part III.A.] The Permittee shall report all CEM data to the Commissioner on a quarterly basis using a one (1) hour block average. [P 015-0097, 98 & 99 Part III.C.] The Permittee shall submit a quarterly report to the Commissioner within thirty (30) days following the end of each calendar quarter. [P 015-0097, 98 & 99 Part IV.B.3.] Each quarterly report shall include the following: a. All emissions data recorded pursuant to RCSA §22a-174-38 during the calendar quarter. [RCSA §22a-174-38(l)(2)(A)] b. Each calendar date during the calendar quarter reported when any of the average emission concentrations, percent reductions, operating parameters or opacity levels recorded exceeded the applicable limit; the reasons the limit was exceeded and a description of the corrective action. [RCSA §22a-174-38(l)(2)(B)] The Permittee shall submit an annual report to the Commissioner no later than January 30 of each year following the calendar year in which the data were collected. [P 015-0097, 98 & 99 Part IV.B.4.] Each annual report shall include the following: a. A list of the highest emission level recorded of sulfur dioxide, nitrogen oxides, carbon monoxide, municipal waste combustor unit load, and particulate matter control device inlet temperature based on data recorded for 24-hour daily geometric averages, 24-hour daily arithmetic averages, 4-hour block averages or 4-hour block arithmetic averages, as applicable, for the aforementioned pollutants; [RCSA §22a-174-38(l)(3)(A)(ii)] b. The total number of days that the minimum number of hours of data for sulfur dioxide, nitrogen oxides, carbon monoxide, municipal combustor unit load and particulate matter control device temperature data were not obtained; and [RCSA §22a-174-38(l)(3)(A)(v)] c. The total number of hours that data for sulfur dioxide, nitrogen oxides, carbon monoxide, municipal combustor unit load and particulate matter control device temperature data were excluded from the calculation of average emission concentrations or parameters. [RCSA §22a-174-38(l)(3)(A)(vi)]

Table III.A: EMISSIONS UNITS EMU-001, EMU-002 and EMU-003, continued	
Pollutants or Process Parameters	**Compliance Demonstration Requirements**
10. NOx	Limitations or Restrictions NOx is limited to 114.4 lb/hr, 0.352 lb/MMBTU based on a 24-hour daily arithmetic average and 501.1 TPY for each furnace/boiler. [P 015-0097, 98 & 99 Part VI. Table 1 and RCSA §22a-174-33(j)(1)(K)(ii)] Demonstration of compliance with the above emission limits shall be determined by calculating the emission rates from Continuous Emission Monitoring. [P 015-0097, 98 & 99 Part VI] The Permittee shall not emit Nitrogen oxide (NOx) from each furnace/boiler in excess of 200 ppmvd corrected to 7% O_2 (dry basis) based on a 24-hour daily arithmetic average. Compliance with these limits may be achieved through the nitrogen oxides emissions trading program as described in RCSA §22a-174-38(d) or utilization of NOx controls. [P 015-0097, 98 & 99 Part VI. Table 2 & Part VI.C. and RCSA §22a-174-38(c)(8) Table 38-3a & (c)(9), (c)(12)] The emission limits specified in RCSA §22a-174-38(c) shall apply at all times except during periods of startup (including any warmup period when firing natural gas only), shutdown, or malfunction as specified in RCSA §22a-174-38(c)(11): (A) The duration of each startup, shutdown or malfunction period shall be limited to three hours per occurrence. [P 015-0097, 98 & 99 Part VI. and RCSA §22a-174-38(c)(11)(A)] In the event that SO_2, NOx or CO emissions from this furnace/boiler exceed the respective emission limits, as determined through CEM compliance data, the Permittee shall immediately initiate corrective action to re-attain compliance with this limit and shall report to the Commissioner as required under Part III.A of this permit. [P 015-0097, 98 & 99 Part VI.] The owner or operator of any waste combustor, which has a waterwall furnace, shall not cause or allow emissions of NOx therefrom in excess of 0.38 pounds per MMBTU. [RCSA §22a-174-22(e)(2)(C)]

Table III.A: EMISSIONS UNITS EMU-001, EMU-002 and EMU-003, continued	
Pollutants or Process Parameters	**Compliance Demonstration Requirements**
10. NOx, continued	i. Monitoring and Testing Requirements The Permittee shall install and use CEM equipment to monitor and record nitrogen oxides as nitrogen dioxide (NO_2) for each furnace/boiler. [P 015-0097, 98 & 99 Part III.A. and RCSA §22a-174-38(j)] ii. Record Keeping Requirements The Permittee shall record all 1-hour average nitrogen oxides emission concentrations for each furnace/boiler. [P 015-0097, 98 & 99 Part III.A. and RCSA §22a-174-38(k)(3)(D)] The Permittee shall compute and record all 24-hour daily arithmetic average nitrogen oxides emission concentrations for each furnace/boiler. [P 015-0097, 98 & 99 Part III.A. and RCSA §22a-174-38(k)(4)(B)] The owner or operator of a municipal waste combustor shall maintain records of the calendar dates when any of the average emission rates, percent reductions, operating parameters or opacity levels are above the applicable limits, with reasons for such exceedances, a description of the corrective actions taken and a description of the measures taken to prevent future exceedances. [RCSA §22a-174-38(k)(5)] The owner or operator of a municipal waste combustor shall maintain records of the calendar dates for which the minimum number of hours of sulfur dioxide or nitrogen oxide emissions or operational data (carbon monoxide emissions, unit load, & particulate matter control device temperature) have not been obtained, including reasons for not obtaining sufficient data, a description of corrective actions taken and a description of the measures taken to prevent future losses of data. [RCSA §22a-174-38(k)(6)] The owner or operator of a municipal waste combustor shall maintain records of the times when sulfur dioxide or nitrogen oxide emissions or operational data (carbon monoxide emissions, unit load, & particulate matter control device temperature) have been excluded from the calculation of average emission concentrations or parameters and the reasons for excluding the data. [RCSA §22a-174-38(k)(7)] The owner or operator of a municipal waste combustor shall maintain records of daily calibrations and quarterly accuracy determinations for opacity, sulfur dioxide, nitrogen oxides, carbon monoxide and oxygen or carbon dioxide continuous emission monitoring systems. [RCSA §22a-174-38(k)(8)]

Table III.A: EMISSIONS UNITS EMU-001, EMU-002 and EMU-003, continued	
Pollutants or Process Parameters	**Compliance Demonstration Requirements**
10. NOx, continued	iii. Reporting Requirements The Permittee shall review all recorded CEM data daily and notify the Commissioner in writing, on forms prescribed by the Commissioner, of any deviation from an emissions or parametric limitation, and shall identify the cause or likely cause of such deviation, all corrective actions and preventive measures taken with respect thereto, and the dates of such actions and measures as follows: (1) For any hazardous air pollutant, no later than twenty-four (24) hours after such deviation commenced; and (2) For any other regulated air pollutant or parameter, no later than ten (10) days after such deviation commenced. [P 015-0097, 98 & 99 Part III.A.] The Permittee shall report all CEM data to the Commissioner on a quarterly basis using a one (1) hour block average. [P 015-0097, 98 & 99 Part III.C.] The Permittee shall submit a quarterly report to the Commissioner within thirty (30) days following the end of each calendar quarter. [P 015-0097, 98 & 99 Part IV.B.3.] Each quarterly report shall include the following: a. All emissions data recorded pursuant to RCSA §22a-174-38 during the calendar quarter [RCSA §22a-174-38(l)(2)(A)]; b. Each calendar date during the calendar quarter reported when any of the average emission concentrations, percent reductions, operating parameters or opacity levels recorded exceeded the applicable limit; the reasons the limit was exceeded and a description of the corrective action. [RCSA §22a-174-38(l)(2)(B)] The Permittee shall submit an annual report to the Commissioner no later than January 30 of each year following the calendar year in which the data were collected. [P 015-0097, 98 & 99 Part IV.B.4.] Each annual report shall include the following: a. A list of the highest emission level recorded of sulfur dioxide, nitrogen oxides, carbon monoxide, municipal waste combustor unit load, and particulate matter control device inlet temperature based on data recorded for 24-hour daily geometric averages, 24-hour daily arithmetic averages, 4-hour block averages or 4-hour block arithmetic averages, as applicable, for the aforementioned pollutants; [RCSA §22a-174-38(l)(3)(A)(ii)] b. The total number of days that the minimum number of hours of data for sulfur dioxide, nitrogen oxides, carbon monoxide, municipal combustor unit load and particulate matter control device temperature data were not obtained; and [RCSA §22a-174-38(l)(3)(A)(v)] c. The total number of hours that data for sulfur dioxide, nitrogen oxides, carbon monoxide, municipal combustor unit load and particulate matter control device temperature data were excluded from the calculation of average emission concentrations or parameters. [RCSA §22a-174-38(l)(3)(A)(vi)]

Table III.A: EMISSIONS UNITS EMU-001, EMU-002 and EMU-003, continued	
Pollutants or Process Parameters	**Compliance Demonstration Requirements**
11. CO	Limitations or Restrictions CO is limited to 34.1 lb/hr, 0.105 lb/MMBTU based on a 4-hour block average and 149.5 TPY for each furnace/boiler. [P 015-0097, 98 & 99 Part VI Table 1 and RCSA §22a-174-33(j)(1)(K)(ii)] Demonstration of compliance with the above emission limits shall be determined by calculating the emission rates from Continuous Emission Monitoring. [P 015-0097, 98 & 99 Part VI] The Permittee shall not emit Carbon Monoxide (CO) from each furnace/boiler in excess of 100 ppmvd corrected to 7% O_2 (dry basis) based on a 4-hour block average. [P 015-0097, 98 & 99 Part VI. Table 2 & Part VI.D. and RCSA §22a-174-38(c)(10) Table 38-4 & (c)(12)] The emission limits specified in RCSA §22a-174-38(c) shall apply at all times except during periods of startup (including any warmup period when firing natural gas only), shutdown, or malfunction as specified in RCSA §22a-174-38(c)(11): (A) The duration of each startup, shutdown or malfunction period shall be limited to three hours per occurrence. [P 015-0097, 98 & 99 Part VI.] In the event that SO_2, NOx or CO emissions from this furnace/boiler exceed the respective emission limits, as determined through CEM compliance data, the Permittee shall immediately initiate corrective action to re-attain compliance with this limit and shall report to the Commissioner as required under Part III.A of this permit. [P 015-0097, 98 & 99 Part VI.] The emission limits and operating requirements of this section shall apply at all times except during periods of startup, shutdown or malfunction; the duration of each startup, shutdown or malfunction period shall be limited to three hours per occurrence for all MWC units. [RCSA §22a-174-38(c)(11)(A)] For determining compliance with an applicable carbon monoxide emission limit, if a loss of boiler water level control or a loss of combustion air control is determined to be a malfunction, the duration of the shutdown period shall be limited to 15 hours per occurrence. [RCSA §22a-174-38(c)(11)(C)]

Table III.A: EMISSIONS UNITS EMU-001, EMU-002 and EMU-003, continued	
Pollutants or Process Parameters	**Compliance Demonstration Requirements**
11. CO, continued	i. Monitoring and Testing Requirements The Permittee shall install and use CEM equipment to monitor and record carbon monoxide (CO) for each furnace/boiler. [P 015-0097, 98 & 99 Part III.A. and RCSA §22a-174-38(j)] ii. Record Keeping Requirements The Permittee shall record all 1-hour average carbon monoxide emission concentrations for each furnace/boiler. [P 015-0097, 98 & 99 Part III.A. and RCSA §22a-174-38(k)(3)(E)] The Permittee shall compute and record all 4-hour average carbon monoxide emission concentrations for each furnace/boiler. [P 015-0097, 98 & 99 Part III.A. and RCSA §22a-174-38(k)(4)(C)] The owner or operator of a municipal waste combustor shall maintain records of the calendar dates when any of the average emission rates, percent reductions, operating parameters or opacity levels are above the applicable limits, with reasons for such exceedances, a description of the corrective actions taken and a description of the measures taken to prevent future exceedances. [RCSA §22a-174-38(k)(5)] The owner or operator of a municipal waste combustor shall maintain records of the calendar dates for which the minimum number of hours of sulfur dioxide or nitrogen oxide emissions or operational data (carbon monoxide emissions, unit load, & particulate matter control device temperature) have not been obtained, including reasons for not obtaining sufficient data, a description of corrective actions taken and a description of the measures taken to prevent future losses of data. [RCSA §22a-174-38(k)(6)] The owner or operator of a municipal waste combustor shall maintain records of the times when sulfur dioxide or nitrogen oxide emissions or operational data (carbon monoxide emissions, unit load, & particulate matter control device temperature) have been excluded from the calculation of average emission concentrations or parameters and the reasons for excluding the data. [RCSA §22a-174-38(k)(7)] The owner or operator of a municipal waste combustor shall maintain records of daily calibrations and quarterly accuracy determinations for opacity, sulfur dioxide, nitrogen oxides, carbon monoxide and oxygen or carbon dioxide continuous emission monitoring systems. [RCSA §22a-174-38(k)(8)]

Table III.A: EMISSIONS UNITS EMU-001, EMU-002 and EMU-003, continued	
Pollutants or Process Parameters	**Compliance Demonstration Requirements**
11. CO, continued	iii. Reporting Requirements The Permittee shall review all recorded CEM data daily and notify the Commissioner in writing, on forms prescribed by the Commissioner, of any deviation from an emissions or parametric limitation, and shall identify the cause or likely cause of such deviation, all corrective actions and preventive measures taken with respect thereto, and the dates of such actions and measures as follows: (1) For any hazardous air pollutant, no later than twenty-four (24) hours after such deviation commenced; and (2) For any other regulated air pollutant or parameter, no later than ten (10) days after such deviation commenced. [P 015-0097, 98 & 99 Part III.A.] The Permittee shall report all CEM data to the Commissioner on a quarterly basis using a one (1) hour block average. [P 015-0097, 98 & 99 Part III.C.] The Permittee shall submit a quarterly report to the Commissioner within thirty (30) days following the end of each calendar quarter. [P 015-0097, 98 & 99 Part IV.B.3.] Each quarterly report shall include the following: a. All emissions data recorded pursuant to RCSA §22a-174-38 during the calendar quarter [RCSA §22a-174-38(l)(2)(A)]; b. Each calendar date during the calendar quarter reported when any of the average emission concentrations, percent reductions, operating parameters or opacity levels recorded exceeded the applicable limit; the reasons the limit was exceeded and a description of the corrective action. [RCSA §22a-174-38(l)(2)(B)] The Permittee shall submit an annual report to the Commissioner no later than January 30 of each year following the calendar year in which the data were collected. [P 015-0097, 98 & 99 Part IV.B.4.] Each annual report shall include the following: a. A list of the highest emission level recorded of sulfur dioxide, nitrogen oxides, carbon monoxide, municipal waste combustor unit load, and particulate matter control device inlet temperature based on data recorded for 24-hour daily geometric averages, 24-hour daily arithmetic averages, 4-hour block averages or 4-hour block arithmetic averages, as applicable, for the aforementioned pollutants; [RCSA §22a-174-38(l)(3)(A)(ii)] b. The total number of days that the minimum number of hours of data for sulfur dioxide, nitrogen oxides, carbon monoxide, municipal combustor unit load and particulate matter control device temperature data were not obtained; and [RCSA §22a-174-38(l)(3)(A)(v)] c. The total number of hours that data for sulfur dioxide, nitrogen oxides, carbon monoxide, municipal combustor unit load and particulate matter control device temperature data were excluded from the calculation of average emission concentrations or parameters. [RCSA §22a-174-38(l)(3)(A)(vi)]

Table III.A: EMISSIONS UNITS EMU-001, EMU-002 and EMU-003, continued	
Pollutants or Process Parameters	**Compliance Demonstration Requirements**
12. VOC	Limitations or Restrictions VOC is limited to 14.9 lb/hr, 0.046 lb/MMBTU and 65.3 TPY for each furnace/boiler. [P 015-0097, 98 & 99 Part VI. Table 1] Volatile Organic compounds (VOC), as defined by RCSA §22a-174-1 and reported as methane (CH4) in the stack exhaust, shall be limited to a maximum concentration of 70 ppmvd @ 12% CO_2 for each furnace/boiler. [P 015-0097, 98 & 99 Part VI. Table 1] i. Monitoring and Testing Requirements The Permittee shall conduct a performance test for VOC, if requested by the Commissioner, for each furnace/boiler using a sampling method approved by the Commissioner. [P 015-0097, 98 & 99 Part VII.E] ii. Record Keeping Requirements The Permittee shall make and keep records of all performance tests conducted to determine compliance with the VOC emission limits for each furnace/boiler. [P 015-0097, 98 & 99 Part IV.A.5.] iii. Reporting Requirements The Permittee shall submit reports to the Commissioner of all performance tests for VOC from the affected facility, if requested by the Commissioner. Such reports shall be submitted when available with the other required performance test reports. [P 015-0097, 98 & 99 Part IV.B.2.]

Table III.A: EMISSIONS UNITS EMU-001, EMU-002 and EMU-003, continued	
Pollutants or Process Parameters	**Compliance Demonstration Requirements**
13. H_2SO_4	Limitations or Restrictions Sulfuric Acid (H_2SO_4) is limited to 15.275 lb/hr, 0.047 lb/MMBTU and 66.9 TPY for each furnace/boiler. [P 015-0097, 98 & 99 Part VI. Table 1] i. Monitoring and Testing Requirements The Permittee shall conduct a performance test for Sulfuric Acid, if requested by the Commissioner, for each furnace/boiler using a sampling method approved by the Commissioner. [P 015-0097, 98 & 99 Part VII.E] ii. Record Keeping Requirements The Permittee shall make and keep records of all performance tests conducted to determine compliance with the Sulfuric Acid emission limits for each furnace/boiler. [P 015-0097, 98 & 99 Part IV.A.5.] iii. Reporting Requirements The Permittee shall submit reports to the Commissioner of all performance tests for Sulfuric Acid from the affected facility, if requested by the Commissioner. Such reports shall be submitted when available with the other required performance test reports. [P 015-0097, 98 & 99 Part IV.B.2.]

Table III.A: EMISSIONS UNITS EMU-001, EMU-002 and EMU-003, continued	
Pollutants or Process Parameters	**Compliance Demonstration Requirements**
14. Cadmium, Lead, Mercury	Limitations or Restrictions Lead is limited to a maximum of 0.13 lb/hr, 0.0004 lb/MMBTU and 0.56 TPY for each furnace/boiler. [P 015-0097, 98 & 99 Part VI. Table 1] The Permittee shall not emit Cadmium from each furnace/boiler in excess of 0.040 mg/dscm corrected to 7% O_2 (dry basis). [P 015-0097, 98 & 99 Part VI. Table 2 & Part VI.E. and RCSA §22a-174-38(c)(1) Table 38-1 & (c)(3), (c)(12)] The Permittee shall not emit Lead from each furnace/boiler in excess of 0.44 mg/dscm corrected to 7% O_2 (dry basis). [P 015-0097, 98 & 99 Part VI. Table 2 & Part VI. F. and RCSA §22a-174-38(c)(1) Table 38-1 & (c)(3), (c)(12)] The Permittee shall not emit Mercury from each furnace/boiler in excess of 0.028 mg/dscm corrected to 7% O_2 (dry basis) or an 85% reduction by weight, whichever is less stringent. [P 015-0097, 98 & 99 Part VI. Table 2 & Part VI.G. and RCSA §22a-174-38(c)(1) Table 38-1a & (c)(3), (c)(7), (c)(12)] The emission limits specified in RCSA §22a-174-38(c) shall apply at all times except during periods of startup (including any warmup period when firing natural gas only), shutdown, or malfunction as specified in RCSA §22a-174-38(c)(11): (A) The duration of each startup, shutdown or malfunction period shall be limited to three hours per occurrence. [P 015-0097, 98 & 99 Part VI. and RCSA §22a-174-38(c)(11)(A)] In the event that particulate matter, cadmium, lead, mercury, dioxin/furan, hydrogen chloride or ammonia emissions from this furnace/boiler exceed the respective emission limits, as determined through stack testing compliance data, the Permittee shall immediately initiate corrective action to re-attain compliance with this limit and shall report to the Commissioner as required under Part IV.B.1 of this permit. [P 015-0097, 98 & 99 Part VI.] i. Monitoring and Testing Requirements The Permittee shall conduct an annual performance test for cadmium, lead and mercury for each furnace/boiler in accordance with RCSA §22a-174-38(i). [P 015-0097, 98 & 99 Part VII.D. and RCSA §22a-174-38(i)(2) and (4)] ii. Record Keeping Requirements The Permittee shall make and keep records of all annual performance tests conducted to determine compliance with the cadmium, lead and mercury emission limits for each furnace/boiler. [P 015-0097, 98 & 99 Part IV.A.4. and RCSA §22a-174-38(k)(10)]

Table III.A: EMISSIONS UNITS EMU-001, EMU-002 and EMU-003, continued	
Pollutants or Process Parameters	**Compliance Demonstration Requirements**
14. Cadmium, Lead, Mercury, continued	iii. Reporting Requirements The Permittee shall provide written notification to the Commissioner within seventy-two (72) hours of the time at which the Permittee receives information regarding performance test results indicating that any particulate matter, opacity, cadmium, lead, mercury, dioxin/furan, hydrogen chloride or fugitive ash emission levels exceed the applicable pollutant emission limits or standards defined in RCSA §22a-174-38. [P 015-0097, 98 & 99 Part IV.B.1.] The Permittee shall submit an annual report to the Commissioner no later than January 30 of each year following the calendar year in which the data were collected. Each annual report shall include a list of the particulate matter, opacity, cadmium, lead, mercury, dioxin/furan, hydrogen chloride, and fugitive ash emission levels achieved during all initial and annual performance tests. [P 015-0097, 98 & 99 Part IV.B.4. and RCSA §22a-174-38(l)(3)(A)(i)]

Table III.A: EMISSIONS UNITS EMU-001, EMU-002 and EMU-003, continued	
Pollutants or Process Parameters	**Compliance Demonstration Requirements**
15. Hydrogen chloride	Limitations or Restrictions Hydrogen Chloride (HCl) is limited to a maximum of 12.675 lb/hr and 55.5 TPY for each furnace/boiler. [P 015-0097, 98 & 99 Part VI. Table 1] The Permittee shall not emit Hydrogen Chloride from each furnace/boiler in excess of 29 ppmvd corrected to 7% O_2 (dry basis) or a 95% reduction by weight or volume, whichever is less stringent. Compliance shall be determined annually based on an arithmetic average of emission concentrations or percent reductions determined using all data generated in three (3) test runs, in accordance with RCSA §22a-174-38(i)(4)(G). [P 015-0097, 98 & 99 Part VI. Table 2 & Part VI.H. and RCSA §22a-174-38(c)(1) Table 38-1 & (c)(3), (c)(6), (c)(12)] The emission limits specified in RCSA §22a-174-38(c) shall apply at all times except during periods of startup (including any warmup period when firing natural gas only), shutdown, or malfunction as specified in RCSA §22a-174-38(c)(11): (A) The duration of each startup, shutdown or malfunction period shall be limited to three hours per occurrence. [P 015-0097, 98 & 99 Part VI. and RCSA §22a-174-38(c)(11)(A)] In the event that particulate matter, cadmium, lead, mercury, dioxin/furan, hydrogen chloride or ammonia emissions from this furnace/boiler exceed the respective emission limits, as determined through stack testing compliance data, the Permittee shall immediately initiate corrective action to re-attain compliance with this limit and shall report to the Commissioner as required under Part IV.B.1 of this permit. [P 015-0097, 98 & 99 Part VI.] i. Monitoring and Testing Requirements The Permittee shall conduct an annual performance test for hydrogen chloride for each furnace/boiler in accordance with RCSA §22a-174-38(i). [P 015-0097, 98 & 99 Part VII.D. and RCSA §22a-174-38(i)(2) & (4)] ii. Record Keeping Requirements The Permittee shall make and keep records of all annual performance tests conducted to determine compliance with the hydrogen chloride emission limits for each furnace/boiler. [P 015-0097, 98 & 99 Part IV.A.4. and RCSA §22a-174-38(k)(10)]

Table III.A: EMISSIONS UNITS EMU-001, EMU-002 and EMU-003, continued	
Pollutants or Process Parameters	**Compliance Demonstration Requirements**
15. Hydrogen chloride	iii. Reporting Requirements The Permittee shall provide written notification to the Commissioner within seventy-two (72) hours of the time at which the Permittee receives information regarding performance test results indicating that any particulate matter, opacity, cadmium, lead, mercury, dioxin/furan, hydrogen chloride or fugitive ash emission levels exceed the applicable pollutant emission limits or standards defined in RCSA §22a-174-38. [P 015-0097, 98 & 99 Part IV.B.1.] The Permittee shall submit an annual report to the Commissioner no later than January 30 of each year following the calendar year in which the data were collected. Each annual report shall include a list of the particulate matter, opacity, cadmium, lead, mercury, dioxin/furan, hydrogen chloride, and fugitive ash emission levels achieved during all initial and annual performance tests. [P 015-0097, 98 & 99 Part IV.B.4. and RCSA §22a-174-38(l)(3)(A)(i)]

Table III.A: EMISSIONS UNITS EMU-001, EMU-002 and EMU-003, continued	
Pollutants or Process Parameters	**Compliance Demonstration Requirements**
16. Dioxin/furan	Limitations or Restrictions The Permittee shall not emit Dioxin/furan from each furnace/boiler in excess of 30 ng/dscm corrected to 7% O_2 (dry basis), total mass (total tetra through octa-dibenzo-p-dioxins and dibenzofurans). Compliance shall be determined annually based on an arithmetic average determined using all data generated in three (3) test runs, in accordance with RCSA §22a-174-38(i)(4)(H) and (i)(3). [P 015-0097, 98 & 99 Part VI. Table 2 & Part VI.I. and RCSA §22a-174-38(c)(1) Table 38-1 & (c)(3), (c)(12)] The emission limits specified in RCSA §22a-174-38(c) shall apply at all times except during periods of startup (including any warmup period when firing natural gas only), shutdown, or malfunction as specified in RCSA §22a-174-38(c)(11): (A) The duration of each startup, shutdown or malfunction period shall be limited to three hours per occurrence. [P 015-0097, 98 & 99 Part VI. and RCSA §22a-174-38(c)(11)(A)] In the event that particulate matter, cadmium, lead, mercury, dioxin/furan, hydrogen chloride or ammonia emissions from this furnace/boiler exceed the respective emission limits, as determined through stack testing compliance data, the Permittee shall immediately initiate corrective action to re-attain compliance with this limit and shall report to the Commissioner as required under Part IV.B.1 of this permit. [P 015-0097, 98 & 99 Part VI.] i. Monitoring and Testing Requirements The Permittee shall conduct an annual performance test for dioxin/furan for each furnace/boiler in accordance with RCSA §22a-174-38(i). [P 015-0097, 98 & 99 Part VII.D. and RCSA §22a-174-38(i)(2) & (4)] Notwithstanding RCSA §22a-174-38(i)(2), upon determination for two (2) consecutive years that the dioxin/furan emission levels from all units at a MWC plant for which construction commenced prior to September 20, 1994 are less than fifteen (15) ng/dscm total mass, the MWC owner or operator shall only be required to conduct performance testing for dioxin/furan on one unit at that MWC plant. The owner or operator shall rotate performance testing among units no more than twelve (12) months following the previous performance test in a fixed sequence so that each unit is tested at the same frequency. If in any year of election of such reduced testing, the dioxin/furan emission test results indicate a level equal to or greater than fifteen (15) ng/dscm total mass for any unit for which construction commenced prior to September 20, 1994, the MWC owner or operator shall resume testing of all units at the MWC plant during the next annual performance test. The owner or operator shall continue to test all units on an annual basis until the performance tests for all units indicate dioxin/furan emission levels that meet the requirements of this subdivision, at which time the owner/operator may resume testing in accordance with this subdivision. [RCSA §22a-174-38(i)(3)]

Table III.A: EMISSIONS UNITS EMU-001, EMU-002 and EMU-003, continued	
Pollutants or Process Parameters	**Compliance Demonstration Requirements**
16. Dioxin/furan, continued	ii. Record Keeping Requirements The Permittee shall make and keep records of all annual performance tests conducted to determine compliance with the dioxin/furan emission limits for each furnace/boiler. [P 015-0097, 98 & 99 Part IV.A.4. and RCSA §22a-174-38(k)(10)] iii. Reporting Requirements The Permittee shall provide written notification to the Commissioner within seventy-two (72) hours of the time at which the Permittee receives information regarding performance test results indicating that any particulate matter, opacity, cadmium, lead, mercury, dioxin/furan, hydrogen chloride or fugitive ash emission levels exceed the applicable pollutant emission limits or standards defined in RCSA §22a-174-38. [P 015-0097, 98 & 99 Part IV.B.1.] The Permittee shall submit an annual report to the Commissioner no later than January 30 of each year following the calendar year in which the data were collected. Each annual report shall include a list of the particulate matter, opacity, cadmium, lead, mercury, dioxin/furan, hydrogen chloride, and fugitive ash emission levels achieved during all initial and annual performance tests. [P 015-0097, 98 & 99 Part IV.B.4. and RCSA §22a-174-38(l)(3)(A)(i)]

Table III.A: EMISSIONS UNITS EMU-001, EMU-002 and EMU-003, continued	
Pollutants or Process Parameters	**Compliance Demonstration Requirements**
17. Ammonia	Limitations or Restrictions Ammonia is limited to a maximum of 3.717 lb/hr and 16.3 TPY for each furnace/boiler. [P 015-0097, 98 & 99 Part VI. Table 1] The Permittee shall not emit Ammonia due to ammonia slip from each furnace/boiler in excess of 18 ppmvd corrected to 7% O_2 (dry basis). [P 015-0097, 98 & 99 Part VI. Table 1 & Part VI.J.] In the event that particulate matter, cadmium, lead, mercury, dioxin/furan, hydrogen chloride or ammonia emissions from this furnace/boiler exceed the respective emission limits, as determined through stack testing compliance data, the Permittee shall immediately initiate corrective action to re-attain compliance with this limit and shall report to the Commissioner as required under Part IV.B.1 of this permit. [P 015-0097, 98 & 99 Part VI.] i. Monitoring and Testing Requirements The Permittee shall conduct an annual performance test for ammonia for each furnace/boiler using Modified EPA Method 26A. [P 015-0097, 98 & 99 Part VII.D.] ii. Record Keeping Requirements The Permittee shall make and keep records of all annual performance tests conducted to determine compliance with the ammonia emission limit for each furnace/boiler. [P 015-0097, 98 & 99 Part IV.A.4.] iii. Reporting Requirements The Permittee shall submit reports to the Commissioner of all annual performance tests for ammonia from the affected facility. Such reports shall be submitted when available with the other required performance test reports. [P 015-0097, 98 & 99 Part IV.B.2.]

Table III.A: EMISSIONS UNITS EMU-001, EMU-002 and EMU-003, continued

Pollutants or Process Parameters	Compliance Demonstration Requirements
18. Hazardous Air Pollutants	Limitations or Restrictions Emissions of these pollutants shall comply with RCSA §22a-174-29 concerning Hazardous Air Pollutants and in no case shall the Actual Stack Concentration (ASC) exceed the Maximum Allowable Stack Concentration (MASC) value for pollutants listed below. Hazardous Air Pollutant Summary [P 015-0097, 98 & 99 Part VI Table 3] HAP — MASC ($\mu g/m^3$) Ammonia 163698.8 Arsenic (As) 22.7 Beryllium (Be) 4.5 Chromium (Cr) 1136.8 Dioxin/Furans 3.18E-4 Total Fluorides 22735.9 Mercury (Hg) 454.7 Nickel (Ni) 2273.6 PAH 45.4 H_2SO_4 9094.3 Vinyl Chloride 22735.9 i. Monitoring and Testing Requirements The Permittee shall calculate the actual stack concentration (ASC) and the maximum allowable stack concentration (MASC) of the hazardous air pollutants (HAPs) listed above using the formula in RCSA §22a-174-29. The Permittee shall demonstrate, by comparing the results from such calculations, that the ASC of each HAP does not exceed the appropriate MASC. [RCSA §22a-174-29] The Commissioner may require the Permittee to conduct additional performance tests for each furnace/boiler if any pollutant emission rate or operational parameter is identified as not being in compliance with any permit condition. [P 015-0097, 98 & 99 Part VII.E.] ii. Record Keeping Requirements The Permittee shall make and keep records of the ASC and MASC for the above pollutants. [P 015-0097, 98 & 99 Part IV.A.5.] iii. Reporting Requirements The Permittee shall provide written notification to the Commissioner within three (3) working days of the time at which the Permittee receives information regarding performance test results indicating that the stack concentration levels exceed the MASC limits. [P 015-0097, 98 & 99 Part VI.K.]

Table III.A: EMISSIONS UNITS EMU-001, EMU-002 and EMU-003, continued	
Pollutants or Process Parameters	**Compliance Demonstration Requirements**
19. Time/ Temperature	Limitations or Restrictions This furnace/boiler shall be equipped with an auxiliary burner system that shall have the capability of raising combustion gas temperature to 1800 ^{o}F for a combustion gas residence time of at least one (1) second, except during periods of start-up, shutdown or malfunction as defined in 40 CFR §60.2. Such system shall be capable of maintaining a minimum combustion temperature of 1500 ^{o}F after secondary air injections for at least one second. The combustion gas temperature when firing MSW, at all times, shall be at a minimum of 1800 ^{o}F for a minimum of one second residence time, measured at the one second plane. Measurement of the superheater gas exit temperature is a surrogate for the furnace temperature. [P 015-0097, 98 & 99 Part I.B.5.] i. Monitoring and Testing Requirements The Permittee shall install and use equipment to monitor and record the required combustion temperatures and associated residence times of each furnace. The time/temperature test shall be performed in accordance with the procedure outlined in the CT DEP document entitled, "Resource Recovery Facility Guideline Policy, Thermocouple Calibration/Retention Time Determination Procedures for Meeting Permit/Order Requirements", as may be amended from time to time (incorporated into this permit by reference). [P 015-0097, 98 & 99 Part III.A.] ii. Record Keeping Requirements The Permittee shall record the superheater gas exit temperature and associated residence times for each furnace. [P 015-0097, 98 & 99 Part III.A.] iii. Reporting Requirements The Permittee shall review all recorded CEM data daily and notify the Commissioner in writing, on forms prescribed by the Commissioner, of any deviation from an emissions or parametric limitation, and shall identify the cause or likely cause of such deviation, all corrective actions and preventive measures taken with respect thereto, and the dates of such actions and measures as follows: (1) For any hazardous air pollutant, no later than twenty-four (24) hours after such deviation commenced; and (2) For any other regulated air pollutant or parameter, no later than ten (10) days after such deviation commenced. [P 015-0097, 98 & 99 Part III.A.] The Permittee shall report all CEM data to the Commissioner on a quarterly basis using a one (1) hour block average. [P 015-0097, 98 & 99 Part III.C.]

Table III.A: EMISSIONS UNITS EMU-001, EMU-002 and EMU-003, continued	
Pollutants or Process Parameters	**Compliance Demonstration Requirements**
20. Oxygen	i. Monitoring and Testing Requirements The Permittee shall install and use CEM equipment to monitor oxygen (O_2) levels in each furnace/boiler exhaust flue. [P 015-0097, 98 & 99 Part III.A.] All emission limits, except for those identified for opacity, shall be corrected to seven percent oxygen (7% O_2), unless the owner or operator submits information to justify a correction to an equivalent percent carbon dioxide (% CO_2) and receives the Commissioner's written approval. If the owner or operator seeks to use an equivalent % CO_2, the owner or operator must demonstrate the relationship between O_2 and CO_2 levels as specified in subparagraph (J) of subdivision (4) of subsection (i) of RCSA §22a-174-38 and submit a written report to the Commissioner summarizing the results of the demonstration. This relationship may be reestablished during any performance test conducted pursuant to subsection (i) of RCSA §22a-174-38. [RCSA §22a-174-38(c)(12)] The owner or operator of a municipal waste combustor shall also install, operate, calibrate and maintain continuous monitoring systems for measuring the final particulate control device inlet temperature, municipal waste combustor unit load, and the oxygen or carbon dioxide content of the flue gas at each location where carbon dioxide, sulfur dioxide or nitrogen oxide emissions are monitored. [RCSA §22a-174-38(j)] ii. Record Keeping Requirements The Permittee shall record all 1-hour average oxygen levels for each furnace/boiler. [P 015-0097, 98 & 99 Part III.A.] The owner or operator of a municipal waste combustor shall maintain records of daily calibrations and quarterly accuracy determinations for opacity, sulfur dioxide, nitrogen oxides, carbon monoxide and oxygen or carbon dioxide continuous emission monitoring systems. [RCSA §22a-174-38(k)(8)] iii. Reporting Requirements The Permittee shall report all CEM data to the Commissioner on a quarterly basis using a one (1) hour block average. [P 015-0097, 98 & 99 Part III.C.]

Table III.A: EMISSIONS UNITS EMU-001, EMU-002 and EMU-003, continued	
Pollutants or Process Parameters	**Compliance Demonstration Requirements**
21. Overfire and Underfire Air	i. Monitoring and Testing Requirements The Permittee shall install and use CEM equipment to monitor total combined overfire and underfire air in each furnace. [P 015-0097, 98 & 99 Part III.A.] ii. Record Keeping Requirements The Permittee shall record all 1-hour average total combined overfire and underfire air in each furnace. [P 015-0097, 98 & 99 Part III.A.] iii. Reporting Requirements The Permittee shall report all CEM data to the Commissioner on a quarterly basis using a one (1) hour block average. [P 015-0097, 98 & 99 Part III.C.]

Table III.A: EMISSIONS UNITS EMU-001, EMU-002 and EMU-003, continued	
Pollutants or Process Parameters	**Compliance Demonstration Requirements**
22. Operator Training and Certification	Limitations or Restrictions The Permittee shall not cause or allow the plant to be operated at any time unless a certified chief operator or shift operator is physically present at the plant. [RCSA §22a-174-38(h)(1)] Operators shall be certified by the Commissioner under section 22a-231-1 of the Regulations. [RCSA §22a-174-38(h)(2)] All chief operators and shift operators must satisfactorily complete an operator training course conducted by the Commissioner pursuant to RCSA §22a-174-38(h)(3). The equipment operators shall be trained in the operation and maintenance of both the fuel burning and pollution control equipment. [P 015-0097, 98 & 99 Part V.A.] The Permittee shall establish a training program to review the O&M Manual with each person who has responsibilities affecting the operation of the plant. The training program shall be repeated on an annual basis for each person. [P 015-0097, 98 & 99 Part V.C.] [RCSA §22a-174-38(h)(5)] No owner or operator of a municipal waste combustor plant shall cause or allow such plant to be operated at any time unless a certified chief operator or shift operator is physically present at the plant. [RCSA §22a-174-38(h)(1)] Operators shall be certified by the Commissioner under section 22a-231-1 of the Regulations of Connecticut State Agencies and shall be identified as either a Class I or Class II chief operator or a Class I or a Class II shift operator. [RCSA §22a-174-38(h)(2)] All chief operators and shift operators must satisfactorily complete an operator training course conducted by the Commissioner no later than 180 days following June 28, 1999 or the date six months after the date of plant startup, whichever is later. Chief operators and shift operators hired after this time must satisfactorily complete such a course within six (6) months of the date of employment. [RCSA §22a-174-38(h)(3)] Each chief facility operator and shift supervisor must have completed full certification or must have scheduled a full certification exam with either the American Society of Mechanical Engineers QRO-1-1994 or a State certification program in Connecticut and Maryland (if the affected facility is located in either of the respective States). [40 CFR §62.14105(b)]

Table III.A: EMISSIONS UNITS EMU-001, EMU-002 and EMU-003, continued	
Pollutants or Process Parameters	**Compliance Demonstration Requirements**
22. Operator Training and Certification, continued	i. Monitoring and Testing Requirements The Permittee shall monitor the operator of this equipment during operation of this facility. [P 015-0097, 98 & 99 Part V.A.] ii. Record Keeping Requirements The Permittee shall make and keep records of the date, the time of the shift, the name of the operator of that shift and the operator's certification. [P 015-0097, 98 & 99 Part IV.A.7.] The Permittee shall maintain the following records of operator training and certification on an annual basis. [RCSA §22a-174-38(k)(2)] a. The names of the chief operators and shift operators, certified by the Commissioner, and employed at the plant, including the dates of initial and renewal certifications and documentation of current certification; b. The names of the chief operators and shift operators who have completed an operator training course as required under RCSA §22a-174-38(h)(3); and c. The names of the persons at the plant who have completed a training program as required under RCSA §22a-174-38(h)(5).

Table III.A: EMISSIONS UNITS EMU-001, EMU-002 and EMU-003, continued	
Pollutants or Process Parameters	**Compliance Demonstration Requirements**
23. O&M Manual	Limitations or Restrictions The Permittee shall maintain an Operating and Maintenance (O&M) Manual that shall be updated on a yearly basis. [RCSA §22a-174-38(h)(4)] Any revision to this manual which conflicts or may conflict with any condition of this permit shall be reviewed by the Commissioner and shall receive the Commissioner's written approval prior to incorporating such revision in the O&M Manual. [P 015-0097, 98 & 99 Part V.B.] The owner or operator of a municipal waste combustor shall develop a site-specific Municipal Waste Combustor Operating and Maintenance Manual with an index. Such Municipal Waste Combustor Operating and Maintenance Manual shall include: [RCSA §22a-174-38(h)(4)] (1) A summary of the applicable emission limits and operational requirements; (2) A description of basic combustion theory application to an municipal waste combustor unit; (3) Procedures for receiving, handling, and feeding municipal solid waste; (4) Procedures for startup, shutdown, and malfunction; (5) Procedures for maintaining proper combustion air supply levels; (6) Procedures for operating the combustor within the standards established under RCSA §22a-174-38; (7) Procedures for responding to periodic upset or off-specification conditions; (8) Procedures for minimizing particulate matter carryover; (9) Procedures for handling ash; (10) Procedures for monitoring emissions; and (11) Procedures for reporting and record keeping. The owner or operator of a municipal waste combustor plant shall establish a training program to review the Municipal Waste Combustor Operating and Maintenance Manual with each person who has responsibilities affecting the operation of a MWC plant including, but not limited to chief operator, shift operator, ash handler, maintenance employee, and crane/load handler. The owner or operator shall train new employees with the job positions identified above prior to each new employee's assumption of any responsibilities at a MWC plant. The owner or operator shall train those who presently are employed in the job position identified above within one year of June 28, 1999. Following initial training, the program shall be repeated on an annual basis for each person identified above. [RCSA §22a-174-38(h)(5)] The Operating and Maintenance Manual shall be kept in a location readily accessible to all persons identified in RCSA §22a-174-38(h)(5) and shall be available for inspection by the Commissioner or Administrator. [RCSA §22a-174-38(h)(6)]

Table III.A: EMISSIONS UNITS EMU-001, EMU-002 and EMU-003, continued	
Pollutants or Process Parameters	**Compliance Demonstration Requirements**
23. O&M Manual, continued	i. Monitoring and Testing Requirements The Permittee shall monitor the review of the operating manual by each person who has responsibilities affecting the operation of the facility. [P 015-0097, 98 & 99 Part IV.A.8.] ii. Record Keeping Requirements The Permittee shall make and keep records of the name of each person that has reviewed the operating manual, the date of the initial review and the date of the annual review. [P 015-0097, 98 & 99 Part IV.A.8. and RCSA §22a-174-38(h)(5)]

Section III: Applicable Requirements and Compliance Demonstration

Table III.A: EMISSIONS UNITS EMU-001, EMU-002 and EMU-003, continued

Pollutants or Process Parameters	Compliance Demonstration Requirements
24. Carbon Injection System	Limitations or Restrictions During the operation of a MWC unit, the carbon injection system operating parameter(s) that is the primary indicator(s) of the carbon mass feed rate (e.g., screw feeder setting) shall equal or exceed the level(s) documented during the performance tests specified under RCSA §22a-174-38(i), based on a 24-hour arithmetic average. [RCSA §22a-174-38(g)(5)] The emission limits and operating requirements of this section shall apply at all times except during periods of startup, shutdown, or malfunction as provided in this subdivision: (A) The duration of each startup, shutdown or malfunction period shall be limited to three hours per occurrence. [RCSA §22a-174-38(c)(11)(A)] i. Monitoring and Testing Requirements The Permittee shall monitor the carbon mass feed rate for the carbon injection system. [P 015-0097, 98 & 99 Part IV.A.9.] ii. Record Keeping Requirements The Permittee shall make and keep records for the carbon injection system as described below. [P 015-0097, 98 & 99 Part IV.A.9. and RCSA §22a-174-38(k)(11)] a. Estimates of the average carbon mass feed rate, measured in kilograms per hour or pounds per hour, during the initial mercury performance test and all subsequent annual performance tests, with supporting calculations; b. Estimates of the average carbon mass feed rate, measured in kilograms per hour or pounds per hour, for each hour of operation, with supporting calculations; c. For each calendar quarter, estimates of the total carbon usage for each MWC unit in kilograms or pounds for each calendar quarter by two independent methods, according to the procedures specified below: 1. For each MWC unit, estimate the weight of carbon delivered, and 2. For each MWC unit, estimate the average carbon mass feed rate in kilograms per hour or pounds per hour for each hour of operation based on the parameters specified under RCSA §22a-174-38(i)(4)(K), and sum the results for the total number of hours of operation during the calendar quarter. d. Carbon injection system operating parameter data for the parameter(s) that are the primary indicator(s) of carbon feed rate (e.g., screw feeder speed); and e. The calendar dates when average carbon mass feed rates were less than the hourly carbon feed rates estimated during mercury emission tests. The reasons for such feed rates and a description of corrective actions taken shall also be recorded.

Table III.A: EMISSIONS UNITS EMU-001, EMU-002 and EMU-003, continued	
Pollutants or Process Parameters	**Compliance Demonstration Requirements**
24. Carbon Injection System, continued	iii. Reporting Requirements The Permittee shall review all recorded CEM data daily and notify the Commissioner in writing, on forms prescribed by the Commissioner, of any deviation from an emissions or parametric limitation, and shall identify the cause or likely cause of such deviation, all corrective actions and preventive measures taken with respect thereto, and the dates of such actions and measures as follows: (1) For any hazardous air pollutant, no later than twenty-four (24) hours after such deviation commenced; and (2) For any other regulated air pollutant or parameter, no later than ten (10) days after such deviation commenced. [P 015-0097, 98 & 99 Part III.A.] The Permittee shall report all CEM data to the Commissioner on a quarterly basis using a one (1) hour block average. [P 015-0097, 98 & 99 Part III.C.] The Permittee shall submit an initial performance test report to the Commissioner within sixty (60) days after the completion of the initial performance test. The report shall identify the average carbon mass feed rate recorded. [RCSA §22a-174-38(l)(1)(F)] The Permittee shall submit a quarterly report to the Commissioner within thirty (30) days following the end of each calendar quarter. Each quarterly report shall include the following: (1) identification of the calendar dates during the calendar quarter reported when average carbon mass feed rates were less than either of the hourly carbon feed rates estimated during mercury emission tests, and the rates recorded. The reasons for such feed rates and a description of the corrective actions taken shall also be reported. (2) The total carbon purchased for and delivered to the MWC plant or purchased for and delivered to each MWC unit for the reported calendar quarter, and (3) the required usage of carbon for the reported calendar quarter for the MWC plant or for each MWC unit at the plant, calculated using equation 4 or 5 of 40 CFR 60.1935(f). [RCSA §22a-174-38(l)(2)(C)]

Table III.A: EMISSIONS UNITS EMU-001, EMU-002 and EMU-003, continued	
Pollutants or Process Parameters	**Compliance Demonstration Requirements**
25. NOx Trading	Limitations or Restrictions The owner or operator of a MWC unit for which construction commenced prior to December 20, 1989 may use emissions trading to meet some or all of the NOx emission reductions required for compliance with the emission limits in subdivision (8) of subsection (c) of this section, subject to the limitations described in this subsection for the NOx trading program. [RCSA §22a-174-38(d)(1)] The owner or operator of a municipal waste combustor unit participating in the MWC NOx emissions trading program shall use the methodology listed in this subdivision to determine on a daily basis the quantity of ERCs created or used. [RCSA §22a-174-38(d)(4)] Any MWC owner or operator intending to use ERCs pursuant to this subsection shall: (A) No later than the first day of each calendar month, calculate, in tons, ERCs per month for each MWC unit, the projected maximum number of ERCs required for that calendar month using the formulas provided in subparagraph (E) of subdivision (4) of this subsection; (B) No later than the first day of each calendar month, acquire a sufficient number of ERCs approved by the commissioner to match the quantity needed as determined according to subparagraph (A) of this subdivision. The quantity needed may be satisfied with unused ERCs created or acquired in previous months, subject to the restrictions of subparagraph (D) of this subdivision. Credits to be used during the ozone season must have been generated during the ozone season; (D) Maintain documentation demonstrating that ERCs used during the ozone season were generated during an ozone season. An ERC generator certification shall be sufficient for such demonstration; (E) Prior to May 1, 2001, any ERCs used for meeting the emission limits contained in subdivision (8) of subsection (c) of this section shall be created within the two (2) year period preceding the date of such ERC use; and (F) On and after May 1, 2001, any ERCs used to meet the emission limits contained herein shall be created on or after May 1, 1999. [RCSA §22a-174-38(d)(5)] Any creation or use of ERCs for the purposes of this subsection shall conform to the provisions of the U.S. Environmental Protection Agency's "Economic Incentive Program Rules," 40 CFR Part 51, Subpart U. [RCSA §22a-174-38(d)(9)] It shall be a violation of this section if the calculation specified by subparagraph (C) of subdivision (6) this subsection demonstrates that any MWC owner or operator did not hold or acquire a sufficient number of ERCs to comply with the NOx emission limits contained herein. In addition, the MWC owner or operator shall acquire additional ERCs in an amount equal to three (3) ERCs for every one (1) ERC needed for compliance, had the ERCs been held or acquired at the time specified in subparagraph (B) of subdivision (6) of this subsection. The additional ERCs shall be acquired on or before the last day of the calendar month in which the calculation specified by subparagraph (C) of subdivision (6) of this subsection is performed. Nothing herein shall preclude the commissioner from taking other enforcement action against the owner or operator for failing to hold or acquire a sufficient number of ERCs prior to their use. [RCSA §22a-174-38(d)(11)]

Table III.A: EMISSIONS UNITS EMU-001, EMU-002 and EMU-003, continued	
Pollutants or Process Parameters	**Compliance Demonstration Requirements**
25. NOx Trading, continued	i. Monitoring and Testing Requirements The Permittee shall calculate and record the actual quantity of ERCs used in the preceding calendar month, no later than the twentieth day of each month. [RCSA §22a-174-38(d)(6)(C)] ii. Record Keeping Requirements The Permittee shall make and keep records of the actual quantity of ERCs used on a monthly basis and an ozone season basis. [RCSA §22a-174-38(d)(6)(C) & (d)(7)(B)] iii. Reporting Requirements No later than January 30 of each year, the Permittee shall provide to the commissioner a report containing the following information: [RCSA §22a-174-38(d)(7)] a. A record of the previous calendar year of each use, sale or other transfer of any and all of the ERCs created in accordance with this subsection; and b. A record for the previous calendar year of actual NOx emissions from the facility and each MWC unit, the quantity of ERCs created and the quantity of ERCs used, on a monthly basis and an ozone season basis. Any reports required by this subsection shall be made on forms furnished or prescribed by the commissioner. [RCSA §22a-174-38(d)(8)]

Section III: Applicable Requirements and Compliance Demonstration

B. EMISSIONS UNIT EMU-007

Table III.B: EMISSIONS UNIT EMU-007	
Pollutants or Process Parameters	**Compliance Demonstration Requirements**
1. Fugitive Ash Emissions	Limitations or Restrictions No owner or operator of a municipal waste combustor plant shall cause to be discharged to the atmosphere visible emissions of combustion ash from the ash conveying system, including transfer points, in excess of five percent (5%) of the observation period (i.e., nine (9) minutes per three-hour period), as specified in RCSA §22a-174-38(i)(4)(I). [RCSA §22a-174-38(f)(1)] The emission limit specified in RCSA §22a-174-38(f)(1) does cover visible emissions discharged into the atmosphere from buildings and enclosures of ash conveying systems. [RCSA §22a-174-38(f)(2)] The provisions specified in RCSA §22a-174-38(f)(1) do not apply during maintenance and repair of ash conveying systems, however, all reasonable measures to control fugitive emissions on such occasions shall be implemented. [RCSA §22a-174-38(f)(3)] i. Monitoring and Testing Requirements The Permittee shall conduct an annual performance test for fugitive ash emissions in accordance with RCSA §22a-174-38(i). [RCSA §22a-174-38(i)(2)] ii. Record Keeping Requirements The Permittee shall make and keep records of the test reports and supporting calculations of all annual performance tests conducted to determine compliance with the emission limits for fugitive ash. [RCSA §22a-174-38(k)(10)] iii. Reporting Requirements The Permittee shall provide written notification to the Commissioner within seventy-two (72) hours of the time at which the Permittee receives information regarding performance test results indicating that any particulate matter, opacity, cadmium, lead, mercury, dioxin/furan, hydrogen chloride or fugitive ash emission levels exceed the applicable pollutant emission limits or standards defined in RCSA §22a-174-38. [P 015-0097, 98 & 99 Part IV.B.1.] The Permittee shall submit an annual report to the Commissioner no later than January 30 of each year following the calendar year in which the data were collected. Each annual report shall include a list of the particulate matter, opacity, cadmium, lead, mercury, dioxin/furan, hydrogen chloride, and fugitive ash emission levels achieved during all initial and annual performance tests. [RCSA §22a-174-38(l)(3)(A)(i)]

Section III: Applicable Requirements and Compliance Demonstration

C. EMISSIONS UNITS EMU-008 and EMU-009

Table III.C: EMISSIONS UNITS EMU-008 and EMU-009	
Pollutants or Process Parameters	**Compliance Demonstration Requirements**
1. Sulfur content	Limitations or Restrictions No person, except as provided in RCSA §22a-174-19(a)(2)(ii), (a)(3)(i), and (a)(3)(ii), shall use or burn fuel which contains sulfur in excess of a maximum of one percent (1.0%) by weight (dry basis). [RCSA §22a-174-19(a)(2)(i)] Note that Section V of this permit, State Enforceable Terms and Conditions, further limits the sulfur content of #2 heating oil to three-tenths of one percent sulfur by weight. [CGS §16a-21a] i. Monitoring and Testing Requirements The Permittee shall monitor the sulfur content of the fuel oil burned in the emergency engine, using either a fuel certification for a delivery of fuel from a bulk petroleum provider or a copy of a current contract with the fuel supplier supplying the fuel used by the equipment that includes the applicable sulfur content of the fuel as a condition of each shipment. [RCSA §22a-174-33(j)(1)(K)(ii)] ii. Record Keeping Requirements The Permittee shall make and keep records of the sulfur content of the fuel oil burned in the emergency engine. Records for a fuel certification or contract shall include the following information: the name of the fuel supplier, type of fuel delivered, the percentage of sulfur in such fuel, by weight, dry basis, and the method used to determine the sulfur content of such fuel. [RCSA §22a-174-4(d)(1)]

Table III.C: EMISSIONS UNITS EMU-008 and EMU-009, continued	
Pollutants or Process Parameters	**Compliance Demonstration Requirements**
2. Fuel Usage	i. Monitoring and Testing Requirements The Permittee shall monitor the fuel usage for the emergency engine, using either fuel purchase receipts or a fuel meter. [RCSA §22a-174-33(j)(1)(K)(ii)] ii. Record Keeping Requirements The Permittee shall make and keep records of the annual fuel usage for the emergency engine. [RCSA §22a-174-4(d)(1)]

Section III: Applicable Requirements and Compliance Demonstration

D. EMISSIONS UNIT EMU-010

Table III.D: EMISSIONS UNIT EMU-010	
Pollutants or Process Parameters	**Compliance Demonstration Requirements**
1. Solvent Usage	i. Monitoring and Testing Requirements The Permittee shall monitor the amount of solvent added monthly to each cold cleaning unit by keeping a monthly log. [RCSA §22a-174-33(j)(1)(K)(ii)] ii. Record Keeping Requirements The owner or operator of any cold cleaning unit shall maintain a monthly record of the amount of solvent added to each unit and keep such record for a minimum of two (2) years after such record is made. [RCSA §22a-174-20(l)(3)(K)] The Permittee shall make and keep records of all monitoring data and supporting information for at least five (5) years from the date such data and information were obtained. [RCSA §22a-174-33(o)(2)]

Section III: Applicable Requirements and Compliance Demonstration

E. PREMISES-WIDE GENERAL REQUIREMENTS

Table III.E: PREMISES-WIDE GENERAL REQUIREMENTS

Pollutants or Process Parameters	Applicable Regulatory References/Citations	Compliance Demonstration Requirements
1. General Record Keeping Requirements	RCSA §22a-174-33(o)(2)	The Permittee shall maintain and keep records of all required monitoring data and supporting information at the premises and make such records available for inspection and copying by the Commissioner at the premises, for at least five years from the date such data and information were obtained, in accordance with Section VII.F. of this permit and RCSA 22a-174-33(o)(2).
	§22a-174-38(k)(1)	The owner or operator of a municipal waste combuster shall maintain records of the information specified in subdivisions (2) through (11) of this subsection, as applicable, labeling each record with the calendar date on which the data was generated. Each record shall be maintained for a period of at least five (5) years from the date the record was created. [RCSA §22a-174-38(k)(1)]
2. General Reporting Requirements	RCSA §22a-174-33(o)(1) §22a-174-33(q)(1) §22a-174-33(q)(2) §22a-174-38(l)(9)	i. The Permittee shall submit to the commissioner written monitoring reports on January 30 and July 30 of each year in accordance with Section VII.E. of this permit and RCSA §22a-174-33(o)(1). ii. The Permittee shall, on January 30 and July 30 of each year, submit to the commissioner, a progress report, regarding the Permittee's progress in achieving compliance under the compliance schedule contained in this permit, in accordance with Section VII.G. of this permit and RCSA §22a-174-33(q)(1). iii. The Permittee shall, on January 30 of each year, submit to the commissioner a written compliance certification in accordance with Section VII.H. of this permit and RCSA §22a-174-33(q)(2). iv. The MWC owner or operator shall submit all reports specified under this subsection as a paper copy, with supporting data in either paper or electronic format, postmarked on or before the submittal dates specified in this subsection, and maintain such reports at the premises as a paper copy with any supporting data in the format submitted for a period of five (5) years from the date of submission to the commissioner.
3. Permitting Requirements	RCSA §22a-174-2a	The Permittee shall comply with the procedural requirements for new source review and Title V permitting in accordance with RCSA §22a-174-2a.
4. Emission Statements	RCSA §22a-174-4	The Permittee shall submit annual emission inventory statements to the Commissioner in accordance with RCSA §22a-174-4(d)(1).
5. Source Monitoring	RCSA §22a-174-4	The Permittee shall comply with the procedures for source monitoring as specified in RCSA §22a-174-4.
6. Test Methods	RCSA §22a-174-5	The Permittee shall comply with methods for sampling, emission testing, sample analysis, and reporting in accordance with RCSA §22a-174-5.

Table III.E: PREMISES-WIDE GENERAL REQUIREMENTS, continued

Pollutants or Process Parameters	Applicable Regulatory References/Citations	Compliance Demonstration Requirements
7. Emergency Episodes	RCSA §22a-174-6	The Permittee shall comply with the procedures for emergency episodes as specified in RCSA §22a-174-6.
8. Control Equipment	RCSA §22a-174-7	The Permittee shall comply with the procedures for air pollution control equipment and monitoring equipment operation as specified in RCSA §22a-174-7.
9. Public Availability of Information	RCSA §22a-174-10	The public availability of information shall apply, as specified in RCSA §22a-174-10.
10. Concealment/ circumvention	RCSA §22a-174-11	The Permittee shall comply with the prohibition against concealment or circumvention as specified in RCSA §22a-174-11.
11. Severability	RCSA §22a-174-15	Severability shall apply as specified in RCSA §22a-174-15.
12. Particulates	RCSA §22a-174-18	The Permittee shall comply with the standards for control of particulate matter and visible emissions as specified in RCSA §22a-174-18.
13. Sulfur Compounds	RCSA §22a-174-19	The Permittee shall comply with the standards for control of sulfur compounds as specified in RCSA §22a-174-19.
14. Organic Compounds	RCSA §22a-174-20	The Permittee shall comply with the standards for control of volatile organic compounds as specified in RCSA §22a-174-20.
15. Nitrogen Oxides	RCSA §22a-174-22	The Permittee shall comply with the standards for control of nitrogen oxide emissions as specified in RCSA §22a-174-22.
16. Air Quality Standards	RCSA §22a-174-24(b)	The Permittee shall not operate a source, in such a matter as to cause or contribute to a violation of an ambient air quality standard listed in RCSA §22a-174-24.
17. Emission Fees	RCSA §22a-174-26	The Permittee shall pay an emission fee in accordance with RCSA §22a-174-26.

Table III.E: PREMISES-WIDE GENERAL REQUIREMENTS, continued

Pollutants or Process Parameters	Applicable Regulatory References/Citations	Compliance Demonstration Requirements
18. Municipal Waste Combustors	RCSA §22a-174-38	The Permittee shall comply with the standards for municipal waste combustors in accordance with RCSA §22a-174-38.
19. Continuous Monitors	P 015-0097, 98 & 99 Part III.B	Continuous monitors and recorders required by this permit shall be installed, calibrated, tested and operated to measure and record emissions and parameters in a manner that demonstrates compliance with siting, performance and quality assurance specifications stated in 40 CFR Part 60 Appendices B and F, RCSA §22a-174-38(j), and RCSA §22a-174-4.
20. ITT form	P 015-0097, 98 & 99 Part VII.A. RCSA §22a-174-38 (l)(4) & (5)	The Permittee shall complete and submit to the Commissioner an Intent To Test (ITT) form and complete test package no less than ninety (90) days before annual emission testing is scheduled. The Permittee shall submit written notice to the Commissioner three (3) business days before conducting annual emission testing. The ITT shall address the compliance testing of all applicable air pollutants (as defined in RCSA §22a-174-1). All methods and procedures listed in the ITT shall be consistent with the requirements of the CT DEP (pursuant to RCSA §22a-174-5), NSPS Subpart Db (pursuant to 40 CFR 60.46b) or equivalent methods approved by CT DEP. This ITT shall include provisions for measurement of any and all operational parameters necessary to verify compliance with the terms of this permit.
21. Stack Testing	P 015-0097, 98 & 99 Part VII.B.	During the test program the emissions and operating parameters of this equipment shall be measured, monitored and recorded. The operating parameters that shall be recorded during the test program shall include, at a minimum, steam load, superheater outlet temperature and pressure, feedwater temperature, furnace draft, total underfire and overfire air, soot-blowing frequency, auxiliary fuel firing rate, reagent stoichiometry, lime slurry flow rate and application pressure, dilution water flow rate, pressure drop across the baghouses, baghouse inlet temperature, fabric filter cleaning cycle mode, and MSW charging rate, when requested by CT DEP. The compliance tests shall be carried out with the furnace/boiler operating at approximately 100% of the maximum unit load (i.e., maximum rated capacity).
22. Notifications & Testing	P 015-0097, 98 & 99 Part VII.C	The Permittee shall comply with all applicable notifications, testing, and record keeping provisions of 40 CFR Part 60 Subparts A, Db, E and RCSA §22a-174-38 (j).

Table III.E: PREMISES-WIDE GENERAL REQUIREMENTS, continued

Pollutants or Process Parameters	Applicable Regulatory References/Citations	Compliance Demonstration Requirements
23. Control Equipment Malfunction	P 015-0097, 98 & 99 Part VIII	In addition to complying with the requirements of RCSA §22a-174-7, the Permittee shall also comply with the following conditions: i. Except as otherwise provided in the following, the Permittee shall only be allowed to operate this furnace/boiler during shutdown of air pollution control equipment when there is a malfunction of such air pollution control equipment and as allowed under RCSA §22a-174-7(b). In the event of the malfunction of air pollution control equipment that can not be corrected within three (3) hours, the Permittee shall immediately institute a furnace shutdown procedure in accordance with the O&M Plan. The period for which the facility will be allowed to operate during shutdown of the air pollution control equipment shall not exceed the burnout of the unit's charge at the time of the shutdown of the air pollution control equipment. No MSW may be charged into a unit following a shutdown of the air pollution control equipment until after the air pollution control equipment has been put back on-line. ii. The Commissioner retains authority to take enforcement actions including, but not limited to, requiring shutdown of the facility if the source consistently (as determined by the Commissioner) violates any pollutant emission limit or permit condition. iii. None of the above conditions shall exempt the Permittee from compliance with any other condition of P 015-0097, 98 & 99, with any emission limit established in P 015-0097, 98 & 99, or with any applicable state or federal regulation.
24. Support Requirements	P 015-0097, 98 & 99 Part IX.C.	The Permittee shall institute and comply with the following conditions at all times: i. Sufficient wind-sheltered storage capacity for refuse, residual particulates and bottom ash on site and provision for landfill disposal of same must be provided for, maintenance of refuse collection service in affected communities in the event of strike, malfunction of air pollution control equipment, or other interruption. ii. Vehicular traffic areas shall be paved and adequately swept at the plant site. iii. Ensure that all trucks when loaded with municipal solid waste or any material likely to become airborne are covered at all times. iv. Transfer, storage and transportation at and from the plant site, of materials collected from the furnace grates and air pollution control equipment shall be transferred in a covered container or other method equally effective in preventing the material from becoming airborne during storage and transfer. v. Implement a clean up program on the plant site whereby any refuse, MSW or other materials will be collected. vi. The public shall not have uncontrolled access to any portion of this premises.

Table III.E: PREMISES-WIDE GENERAL REQUIREMENTS, continued		
Pollutants or Process Parameters	**Applicable Regulatory References/Citations**	**Compliance Demonstration Requirements**
25. Enforcement considerations	P 015-0097, 98 & 99 Part X.	i. CEM data, stack testing data and the results of any monitoring and testing of source parameters and emission rates shall, unless otherwise specified in this permit, be used to determine compliance with this permit. ii. The Permittee shall comply with any and all applicable requirements of the Clean Air Act as amended in 1990 as such requirements become applicable to this facility. iii. Pursuant to CGS §22a-6b-602, the Permittee is hereby advised of its liability for assessment of civil penalties for any violation of P 015-0097, 98 & 99. iv. Nothing in P 015-0097, 98 & 99 or in the above enforcement protocol shall be deemed to limit the authority of the CT DEP or U.S.EPA to seek penalties, injunctive relief or any other available enforcement measures for violation of pollution emission limits or permit conditions.

Section III: Applicable Requirements and Compliance Demonstration

F. WORK PRACTICE STANDARDS AND OPERATION AND MAINTENANCE (O&M) PRACTICES

Table III.F: Work Practice Standards and Operation and Maintenance (O&M) Practices

Emissions Unit	Applicable Regulatory References/Citations	Work/O&M Practice Requirements
EMU-001, EMU-002,	P 015-0097, 98 & 99 Part V.	1. The Permittee shall properly operate, inspect and maintain the equipment in accordance with the approved O&M Plan.
EMU-010	RCSA §22a-174-20 (l)(3)	2. The Permittee shall meet all of the following required work and operational practices as applicable. i. Store waste degreasing solvent only in covered containers and not dispose of waste degreasing solvent or transfer it to another party, in a manner such that greater than 20 percent of the waste degreasing solvent (by weight) can evaporate into the atmosphere. [RCSA §22a-174-20(l)(3)(C)] ii. Close the cover whenever parts are not being handled in the cleaner for two (2) minutes or more, or when the device is not in use. [RCSA §22a-174-20(l)(3)(D)] iii. Drain the clean parts for at least 15 seconds or until dripping ceases, whichever is longer. [RCSA §22a-174-20(l)(3)(E)] iv. If used, supply a degreasing solvent spray that is a solid fluid stream (not a fine, atomized or shower type spray) at a pressure which does not exceed ten (10) pounds per square inch as measured at the pump outlet and perform such spraying within the confines of the cold cleaning unit. [RCSA §§22a-174-20(l)(3)(F)] v. Minimize the drafts across the top of each cold cleaning unit such that whenever the cover is open the unit is not exposed to drafts greater than 40 meters per minute, as measured between 1 and 2 meters upwind, and at the same elevation as the tank lip. [RCSA §22a-174-20(l)(3)(H)] vi. Do not operate the unit upon the occurrence of any visible solvent leak until such leak is repaired. [RCSA §22a-174-20(l)(3)(I)]

Section IV: Compliance Schedule

THERE IS NO COMPLIANCE SCHEDULE.

TABLE IV: COMPLIANCE SCHEDULE				
Emissions Unit	**Applicable Regulations**	**Steps required for achieving compliance (Milestones)**	**Date by which each step is to be completed**	**Dates for monitoring, record keeping, and reporting**

Section V: State Enforceable Terms and Conditions

Only the Commissioner of the Department of Environmental Protection has the authority to enforce the terms, conditions and limitations contained in this section.

A. This permit does not relieve the Permittee of the responsibility to conduct, maintain and operate the emissions units in compliance with all applicable requirements of any other Bureau of the Department of Environmental Protection or any federal, local or other state agency. Nothing in this permit shall relieve the Permittee of other obligations under applicable federal, state and local law.

B. Nothing in this permit shall affect the Commissioner's authority to institute any proceeding or take any other action to prevent or abate violations of law, prevent or abate pollution, investigate air pollution, recover costs and natural resource damages, and to impose penalties for violations of law, including but not limited to violations of this or any other permit issued to the Permittee by the Commissioner.

C. Odors: The Permittee shall operate in compliance with the regulations for odor control as set forth in RCSA Section 22a-174-23.

D. Noise: The Permittee shall operate in compliance with the regulations for the control of noise as set forth in RCSA 22a-69-1 through 22a-69-7.4, inclusive.

E. Hazardous Air Pollutants (HAPs): The Permittee shall operate in compliance with the regulations for the control of HAPs as set forth in RCSA 22a-174-29.

F. Open Burning: The Permittee is prohibited from conducting open burning, except as may be allowed by CGS 22a-174(f).

G. Fuel Sulfur Content: The Permittee shall not use #2 heating oil that exceeds three-tenths of one percent sulfur by weight as set forth in CGS Section 16a-21a.

H. Climate Change: In accordance with Public Act No. 04-252 Sec. 3 paragraph (b), not later than April 15, 2006, and annually thereafter, the owner or operator of any facility that is required to report air emissions data to the Department of Environmental Protection pursuant to Title V of the federal Clean Air Act and that has stationary emissions sources that emit greenhouse gases shall report to the regional registry direct stack emissions of greenhouse gases from such sources. The owner or operator shall report all greenhouse gas emissions in a type and format that the regional registry can accommodate.

Section VI: Permit Shield

NO PERMIT SHIELD HAS BEEN GRANTED.

In accordance with Section 22a-174-33(k) of the RCSA, a Permittee complying with the conditions of this permit shall be deemed in compliance with any applicable requirements identified in Table VI below as of the date of issuance. Also, in accordance with Section 22a-174-33(k) of the RCSA, a Permittee complying with the conditions of this permit shall be deemed exempt from any non-applicable requirements identified below as of the date of issuance.

This permit shall not alter or affect the following:

A. the provisions of section 303 of the Clean Air Act, including the authority of the Administrator under the Act;

B. the liability of an owner or operator of a Title V source for any violation of applicable requirements prior to or at the effective date of a Title V permit;

C. the applicable requirements of the acid rain program under 40 CFR Part 72; and

D. the ability of the Administrator or Commissioner to obtain information from the owner or operator of a Title V source.

TABLE VI: PERMIT SHIELD

Regulated Pollutants	Emissions Unit	Applicable Requirement or Non-Applicable Requirement Descriptions	Applicable Regulatory References	*Applicability

***For Applicability, use AR to indicate Applicable Requirement and NR for Non-Applicable Requirement**

Section VII: Title V Requirements

The Administrator of the United States Environmental Protection Agency and the Commissioner of Environmental Protection have the authority to enforce the terms and conditions contained in these sections.

A. SUBMITTALS TO THE COMMISSIONER & ADMINISTRATOR

The date of submission to the Commissioner of any document required by this permit shall be the date such document is received by the Commissioner. The date of any notice by the Commissioner under this permit, including, but not limited to notice of approval or disapproval of any document or other action, shall be the date such notice is delivered or the date three days after it is mailed by the Commissioner, whichever is earlier. Except as otherwise specified in this permit, the word "day" means calendar day. Any document or action which is required by this permit to be submitted or performed by a date which falls on a Saturday, Sunday or legal holiday shall be submitted or performed by the next business day thereafter.

Any document required to be submitted to the Commissioner under this permit shall, unless otherwise specified in writing by the Commissioner, be directed to: Office of the Assistant Director; Compliance & Field Operations Division; Bureau of Air Management; Department of Environmental Protection; 79 Elm Street, 5th Floor; Hartford, Connecticut 06106-5127.

Any submittal to the Administrator of the U. S. Environmental Protection Agency shall be in a computer-readable format and addressed to: Director, Air Compliance Program; Attn: Air Compliance Clerk; Office of Environmental Stewardship; US EPA, Region 1;One Congress Street; Suite 1100 (SEA); Boston, MA 02114-2023.

B. CERTIFICATIONS [RCSA § 22a-174-33(b)]

In accordance with Section 22a-174-33(b) of the RCSA, any report or other document required by this Title V permit and any other information submitted to the Commissioner or Administrator shall be signed by an individual described in Section 22a-174-2a(a) of the RCSA, or by a duly authorized representative of such individual. Any individual signing any document pursuant to Section 22a-174-33(b) of the RCSA shall examine and be familiar with the information submitted in the document and all attachments thereto, and shall make inquiry of those individuals responsible for obtaining the information to determine that the information is true, accurate, and complete, and shall also sign the following certification as provided in Section 22a-174-2a(a)(5) of the RCSA:

> "I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief. I understand that any false statement made in the submitted information may be punishable as a criminal offense under Section 22a-175 of the Connecticut General Statutes, under Section 53a-157b of the Connecticut General Statutes, and in accordance with any applicable statute."

C. SIGNATORY RESPONSIBILITY [RCSA § 22a-174-2a(a)]

If an authorization pursuant to Section 22a-174-2a(a) of the RCSA is no longer effective because a different individual or position has assumed the applicable responsibility, a new authorization satisfying the requirements of Section 22a-174-2a(a)(2) of the RCSA shall be submitted to the Commissioner prior to or together with the submission of any applications, reports, forms, compliance certifications, documents or other information which is signed by an individual or a duly authorized representative of such individual pursuant to Section 22a-174-2a(a)(2) of the RCSA.

Section VII: Title V Requirements

D. ADDITIONAL INFORMATION [RCSA § 22a-174-33(j)(1)(X)]

The permittee shall submit additional information in writing, at the Commissioner's request, within thirty (30) days of receipt of notice from the Commissioner or by such other date specified by the Commissioner, whichever is earlier, including information to determine whether cause exists for modifying, revoking, reopening, reissuing, or suspending the permit or to determine compliance with the permit.

In addition, within fifteen days of the date the permittee becomes aware of a change in any information submitted to the Commissioner under this permit or of any change in any information contained in the application, or that any such information was inaccurate or misleading or that any relevant information was omitted, the permittee shall submit the changed, corrected, or omitted information to the Commissioner.

E. MONITORING REPORTS [RCSA § 22a-174-33(o)(1)]

A permittee, required to perform monitoring pursuant this permit, shall submit to the Commissioner, on forms prescribed by the Commissioner, written monitoring reports on January 30 and July 30 of each year or on a more frequent schedule if specified in such permit. Such monitoring reports shall include the date and description of each deviation from a permit requirement including, but not limited to:

1. Each deviation caused by upset or control equipment deficiencies; and

2. Each deviation of a permit requirement that has been monitored by the monitoring systems required under this permit, which has occurred since the date of the last monitoring report; and

3. Each deviation caused by a failure of the monitoring system to provide reliable data.

F. PREMISES RECORDS [RCSA § 22a-174-33(o)(2)]

Unless otherwise required by this permit, the permittee shall make and keep records of all required monitoring data and supporting information for at least five (5) years from the date such data and information were obtained. The permittee shall make such records available for inspection at the site of the subject source, and shall submit such records to the Commissioner upon request. The following information, in addition to required monitoring data, shall be recorded for each permitted source:

1. The type of monitoring or records used to obtain such data, including record keeping;

2. The date, place, and time of sampling or measurement;

3. The name of the individual who performed the sampling or the measurement and the name of such individual's employer;

4. The date(s) on which analyses of such samples or measurements were performed;

5. The name and address of the entity that performed the analyses;

6. The analytical techniques or methods used for such analyses;

7. The results of such analyses;

PREMISES RECORDS, continued [RCSA § 22a-174-33(o)(2)]

8. The operating conditions at the subject source at the time of such sampling or measurement; and

9. All calibration and maintenance records relating to the instrumentation used in such sampling or measurements, all original strip-chart recordings or computer printouts generated by continuous monitoring instrumentation, and copies of all reports required by the subject permit.

G. PROGRESS REPORTS [RCSA § 22a-174-33(q)(1)]

The permittee shall, on January 30 and July 30 of each year, or on a more frequent schedule if specified in this permit, submit to the Commissioner a progress report on forms prescribed by the Commissioner, and certified in accordance with Section 22a-174-2a(a)(5) of the RCSA. Such report shall describe the permittee's progress in achieving compliance under the compliance plan schedule contained in this permit. Such progress report shall:

1. Identify those obligations under the compliance plan schedule in the permit which the permittee has met, and the dates on which they were met; and

2. Identify those obligations under the compliance plan schedule in this permit which the permittee has not timely met, explain why they were not timely met, describe all measures taken or to be taken to meet them and identify the date by which the permittee expects to meet them.

Any progress report prepared and submitted pursuant to Section 22a-174-33(q)(1) of the RCSA shall be simultaneously submitted by the permittee to the Administrator.

H. COMPLIANCE CERTIFICATIONS [RCSA § 22a-174-33(q)(2)]

The permittee shall, on January 30 of each year, or on a more frequent schedule if specified in this permit, submit to the Commissioner, a written compliance certification certified in accordance with Section 22a-174-2a(a)(5) of the RCSA and which includes the information identified in Title 40 CFR 70.6(c)(5)(iii)(A) to (C), inclusive.

Any compliance certification prepared and submitted pursuant to Section 22a-174-33(q)(2) of the RCSA shall be simultaneously submitted by the permittee to the Administrator.

I. PERMIT DEVIATION NOTIFICATIONS [RCSA § 22a-174-33(p)]

Notwithstanding Subsection D of Section VII of this permit, the permittee shall notify the Commissioner in writing, on forms prescribed by the Commissioner, of any deviation from an emissions limitation, and shall identify the cause or likely cause of such deviation, all corrective actions and preventive measures taken with respect thereto, and the dates of such actions and measures as follows:

1. For any hazardous air pollutant, no later than twenty-four (24) hours after such deviation commenced; and

2. For any other regulated air pollutant, no later than ten (10) days after such deviation commenced.

J. PERMIT RENEWAL [RCSA § 22a-174-33(j)(1)(B)]

All of the terms and conditions of this permit shall remain in effect until the renewal permit is issued or denied provided that a timely renewal application is filed in accordance with Sections 22a –174-33(g), -33(h), and –33(i) of the RCSA.

Section VII: Title V Requirements

K. OPERATE IN COMPLIANCE [RCSA § 22a-174-33(j)(1)(C)]

The permittee shall operate the source in compliance with the terms of all applicable regulations, the terms of this permit, and any other applicable provisions of law. In addition, any noncompliance constitutes a violation of the Clean Air Act and Chapter 446c of the Connecticut General Statutes and is grounds for federal and/or state enforcement action, permit termination, revocation and reissuance, or modification, and denial of a permit renewal application.

L. COMPLIANCE WITH PERMIT [RCSA § 22a-174-33(j)(1)(G)]

This permit shall not be deemed to:

1. preclude the creation or use of emission reduction credits or the trading of such credits in accordance with Sections 22a-174-33(j)(1)(I) and 22a-174-33(j)(1)(P) of the RCSA, provided that the Commissioner's prior written approval of the creation, use, or trading is obtained;

2. authorize emissions of an air pollutant so as to exceed levels prohibited under 40 CFR Part 72;

3. authorize the use of allowances pursuant to 40 CFR Parts 72 through 78, inclusive, as a defense to noncompliance with any other applicable requirement; or

4. impose limits on emissions from items or activities specified in Sections 22a-174-33(g)(3)(A) and (B) of the RCSA unless imposition of such limits is required by an applicable requirement.

M. INSPECTION TO DETERMINE COMPLIANCE [RCSA § 22a-174-33(j)(1)(M)]

The Commissioner may, for the purpose of determining compliance with the permit and other applicable requirements, enter the premises at reasonable times to inspect any facilities, equipment, practices, or operations regulated or required under the permit; to sample or otherwise monitor substances or parameters; and to review and copy relevant records lawfully required to be maintained at such premises in accordance with this permit. It shall be grounds for permit revocation should entry, inspection, sampling, or monitoring be denied or effectively denied, or if access to and the copying of relevant records is denied or effectively denied.

N. PERMIT AVAILABILITY

The permittee shall have available at the facility at all times a copy of this Title V Operating Permit.

O. SEVERABILITY CLAUSE [RCSA § 22a-174-33(j)(1)(R)]

The provisions of this permit are severable. If any provision of this permit or the application of any provision of this permit to any circumstance is held invalid, the remainder of this permit and the application of such provision to other circumstances shall not be affected.

P. NEED TO HALT OR REDUCE ACTIVITY [RCSA § 22a-174-33(j)(1)(T)]

It shall not be a defense for the permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

Section VII: Title V Requirements

Q. PERMIT REQUIREMENTS [RCSA § 22a-174-33(j)(1)(V)]

The filing of an application or of a notification of planned changes or anticipated noncompliance does not stay the permittee's obligation to comply with this permit.

R. PROPERTY RIGHTS [RCSA § 22a-174-33(j)(1)(W)]

This permit does not convey any property rights or any exclusive privileges. This permit is subject to, and in no way derogates from any present or future property rights or other rights or powers of the State of Connecticut, and is further subject to any and all public and private rights and to any federal, state or local laws or regulations pertinent to the facility or regulated activity affected thereby, including Section 4-181a(b) of the Connecticut General Statutes and Section 22a-3a-5(b) of the RCSA. This permit shall neither create nor affect any rights of persons who are not parties to this permit.

S. ALTERNATIVE OPERATING SCENARIO RECORDS [RCSA § 22a-174-33(o)(3)]

The permittee shall, contemporaneously with making a change authorized by this permit from one alternative operating scenario to another, maintain a record at the premises indicating when changes are made from one operating scenario to another and shall maintain a record of the current alternative operating scenario.

T. OPERATIONAL FLEXIBILITY AND OFF-PERMIT CHANGES [RCSA § 22a-174-33(r)(2)]

The permittee may engage in any action allowed by the Administrator in accordance with 40 CFR 70.4(b)(12)(i) to (iii)(B) inclusive, and 40 CFR 70.4(b)(14)(i) to (iv), inclusive without a Title V non-minor permit modification, minor permit modification or revision and without requesting a Title V non-minor permit modification, minor permit modification or revision provided such action does not:

1. constitute a modification under 40 CFR 60, 61 or 63,

2. exceed emissions allowable under the subject permit,

3. constitute an action which would subject the permittee to any standard or other requirement pursuant to 40 CFR 72 to 78, inclusive, or

4. constitute a non-minor permit modification pursuant to Section 22a-174-2a(d)(4) of the RCSA.

At least seven (7) days before initiating an action specified in Section 22a-174-33(r)(2)(A) of the RCSA, the permittee shall notify the Administrator and the Commissioner in writing of such intended action.

U. INFORMATION FOR NOTIFICATION [RCSA § 22a-174-33(r)(2)(A)]

Written notification required under Section 22a-174-33(r)(2)(A) of the RCSA shall include a description of each change to be made, the date on which such change will occur, any change in emissions that may occur as a result of such change, any Title V permit terms and conditions that may be affected by such change, and any applicable requirement that would apply as a result of such change. The permittee shall thereafter maintain a copy of such notice with the Title V permit. The Commissioner and the permittee shall each attach a copy of such notice to their copy of the permit.

Section VII: Title V Requirements

V. TRANSFERS [RCSA § 22a-174-2a(g)]

No person other than the permittee shall act or refrain from acting under the authority of this permit unless this permit has been transferred to another person in accordance with Section 22a-174-2a(g) of the RCSA.

The proposed transferor and transferee of a permit shall submit to the Commissioner a request for a permit transfer on a form provided by the Commissioner. A request for a permit transfer shall be accompanied by any fees required by any applicable provision of the general statutes or regulations adopted thereunder. The Commissioner may also require the proposed transferee to submit with any such request, the information identified in CGS Section 22a-6m.

W. REVOCATION [RCSA § 22a-174-2a(h)]

The Commissioner may revoke this permit on his own initiative or on the request of the permittee or any other person, in accordance with Section 4-182c of the Connecticut General Statutes, Section 22a-3a-5(d) of the RCSA, and any other applicable law. Any such request shall be in writing and contain facts and reasons supporting the request. The permittee requesting revocation of this permit shall state the requested date of revocation and provide the Commissioner with satisfactory evidence that the emissions authorized by this permit have been permanently eliminated.

Pursuant to the Clean Air Act, the Administrator has the power to revoke this permit. Pursuant to the Clean Air Act, the Administrator also has the power to reissue this permit if the Administrator has determined that the Commissioner failed to act in a timely manner on a permit renewal application.

This permit may be modified, revoked, reopened, reissued, or suspended by the Commissioner, or the Administrator in accordance with Section 22a-174-33(r) of the RCSA, Connecticut General Statutes Section 22a-174c, or Section 22a-3a-5(d) of the RCSA.

X. REOPENING FOR CAUSE [RCSA § 22a-174-33(s)]

This permit may be reopened by the Commissioner, or the Administrator in accordance with Section 22a-174-33(s) of the RCSA.

Y. CREDIBLE EVIDENCE

Notwithstanding any other provision of this permit, for the purpose of determining compliance or establishing whether a permittee has violated or is in violation of any permit condition, nothing in this permit shall preclude the use, including the exclusive use, of any credible evidence or information.